

AHARON OREN - LIST OF PUBLICATIONS

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BOOKS

1. Oren, A. 1987. Bacteria and viruses. 139 pp. The Amos De-Shalit Science Teaching Centre in Israel.
(textbook for high school students, in Hebrew, has also been translated into Arabic).
2. Oren, A. 1987. Bacteria and other microorganisms - laboratory manual (in Hebrew - manual for high school students). 116 pp. The Amos De-Shalit Science Teaching Centre in Israel.
3. Oren, A. 1996. Metabolic diversity in the bacterial world: the biogeochemical cycles. Academon Press, Jerusalem, 97 pp. (in Hebrew)
4. Oren, A. (ed.). 1999. Microbiology and biogeochemistry of hypersaline environments. CRC Press, Boca Raton. 359 pp.
5. Oren, A. 2002. Halophilic microorganisms and their environments. Kluwer Scientific Publishers, Dordrecht. 575 + xxi pp.
6. Nevo, E., Oren, A., and Wasser, S.P. (eds.). 2003. Fungal life in the Dead Sea. A.R.G. Gantner Verlag, Ruggell, 361 pp.
7. Gunde-Cimerman, N., Oren, A, and Plemenitaš, A. (eds.). 2005. Adaptation to life at high salt concentrations in Archaea, Bacteria, and Eukarya. Springer, Dordrecht, 576 pp.
8. Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. 2005. Mikrosafari – Čudoviti svet mikroorganizmov solin - The beautiful world of microorganisms in the salterns. Bilingual Slovenian/English publication. Državna Založba Slovenije, Ljubljana, 160 pp.
9. Rainey, F.A., and Oren, A. (eds.). 2006. Extremophiles - Methods in Microbiology Vol. 35. Elsevier/Academic Press, Amsterdam, 821 pp.
10. Oren, A., Naftz, D.L., Palacios, P., and Wurtsbaugh, W.A. (eds.). 2009. Saline lakes around the world: unique systems with unique values. The S.J. and Jessie E. Quinney Natural Resources Research Library, College of Natural Resources, Utah State University, 269 pp. (print version + open access at <http://www.cnr.usu.edu/quinney/htm/publications/nrei>)
11. Seckbach, J., and Oren, A. (eds.). 2010. Microbial mats. Modern and ancient microorganisms in stratified systems. Springer, Dordrecht, 606 pp.

12. Oren, A., and Papke, R.T. (eds.). 2010. Molecular phylogeny of microorganisms. Caister Academic Press, Norfolk, 220 pp.
13. Ventosa, A., Oren, A., and Ma, Y. (eds.). 2011. Halophiles and hypersaline environments: Current research and future trends. Springer, Berlin, 387 pp.
14. Rainey, F.A., and Oren, A. (eds.). 2011. Taxonomy of prokaryotes - Methods in Microbiology Vol. 38. Elsevier/Academic Press, Amsterdam, 473 pp.
15. Seckbach, J., Oren, A., and Stan-Lotter, H. (eds.). 2013. Polyextremophiles – Organisms living under multiple forms of stress. Springer, Dordrecht, 634 pp.
16. Papke, R.T., and Oren, A. (eds.). 2014. Halophiles: genetics and genomics. Caister Academic Press, Norfolk, 196 pp.
17. Papke, R.T., Oren, A., Ventosa, A. and Dillon, J.G. 2015. The proceedings from Halophiles 2013, The International Congress on Halophilic Microorganisms. Frontiers Research Topics. E-book, ISBN 97802088919-570-1.
18. Whitman, W.B., DeVos, P., Chun, J., Dedysh, S., Hedlund, B., Kämpfer, P., Rainey, F., Trujillo M., Bowman, J.P., Brown, D.R., Castenholz, R.D., Glöckner, F.O., Oren, A., Paster, B.J., Wade, W., Wilmotte, A., Ward, D., Busse, H.-J., Reysenbach, A.-L., Suzuki, K.-I. (eds.) 2015-present. Bergey's Manual of Systematics of Archaea and Bacteria. Wiley, DOI: 10.1002/9781118960608; Online ISBN: 9781118960608
19. Zheng, M, Deng, T., and Oren, A. (eds). 2017. Introduction to salt lake science. Science Press, Beijing. In press.

RESEARCH PAPERS, BOOK CHAPTERS ETC.

1. Garlick, S., Oren, A., and Padan, E. 1977. Occurrence of facultative anoxygenic photosynthesis among filamentous and unicellular cyanobacteria. J. Bacteriol. 129: 623-629.
2. Oren, A., Padan, E., and Avron, M. 1977. Quantum yields for oxygenic and anoxygenic photosynthesis in the cyanobacterium *Oscillatoria limnetica*. Proc. Natl. Acad. Sci. U.S.A. 74: 2152-2156.
3. Oren, A., and Padan, E. 1978. Induction of anaerobic, photoautotrophic growth in the cyanobacterium *Oscillatoria limnetica*. J. Bacteriol. 133: 558-563.
4. Oren, A., and Blackburn, T.H. 1979. Estimation of sediment denitrification rates at in situ nitrate concentrations. Appl. Environ. Microbiol. 37: 174-176.

5. Oren, A., Padan, E., and Malkin, S. 1979. Sulfide inhibition of photosystem I in cyanobacteria (blue-green algae) and tobacco chloroplasts. *Biochim. Biophys. Acta* 546: 270-279.
6. Oren, A., and Shilo, M. 1979. Anaerobic heterotrophic dark metabolism in the cyanobacterium *Oscillatoria limnetica*: sulfur respiration and lactate fermentation. *Arch. Microbiol.* 122: 77-84.
7. Friedberg, D., Fine, M., and Oren, A. 1979. Effect of oxygen on the cyanobacterium *Oscillatoria limnetica*. *Arch. Microbiol.* 123: 311-313.
8. Oren, A., and Shilo, M. 1981. Bacteriorhodopsin in a bloom of halobacteria in the Dead Sea. *Arch. Microbiol.* 130: 185-187.
9. Oren, A. 1981. Approaches to the microbial ecology of the Dead Sea. *Kieler Meeresforsch., Sonderh.* 5: 416-424.
10. Oren, A. 1981. Life in the Dead Sea. *Mada* 25: 168-171. (in Hebrew).
11. Oren, A., and Shilo, M. 1982. Population dynamics of *Dunaliella parva* in the Dead Sea. *Limnol. Oceanogr.* 27: 201-211.
12. Oren, A. 1983. Bacteriorhodopsin-mediated CO₂ photoassimilation in the Dead Sea. *Limnol. Oceanogr.* 28: 33-41.
13. Oren, A. 1983. *Halobacterium sodomense* sp. nov., a Dead Sea halobacterium with extremely high magnesium requirement and tolerance. *Int. J. Syst. Bacteriol.* 33: 381-386.
14. Oren, A. 1983. A thermophilic amyloglucosidase from *Halobacterium sodomense*, a halophilic bacterium from the Dead Sea. *Curr. Microbiol.* 8: 225-230.
15. Oren, A. 1983. Population dynamics of halobacteria in the Dead Sea water column. *Limnol. Oceanogr.* 28: 1094-1103.
16. Cohen, S., Oren, A., and Shilo, M. 1983. The divalent cation requirement of Dead Sea halobacteria. *Arch. Microbiol.* 136: 184-190.
17. Oren, A. 1983. *Clostridium lortetii* sp. nov., a halophilic obligately anaerobic bacterium producing endospores with attached gas vacuoles. *Arch. Microbiol.* 136: 42-48. (name validly published: *Int. J. Syst. Bacteriol.* 34: 270-271, 1984).
18. Oren, A., Weisburg, W.G., Kessel, M., and Woese, C.R. 1984. *Halobacteroides halobius* gen. nov., sp. nov., a moderately halophilic anaerobic bacterium from the bottom sediments of the Dead Sea. *System. Appl. Microbiol.* 5: 58-69. (name validly published: *Int. J. Syst. Bacteriol.* 34: 355-357, 1984).

19. Oren, A., Paster, B.J., and Woese, C.R. 1984. *Haloanaerobiaceae*: a new family of moderately halophilic, obligatory anaerobic bacteria. System. Appl. Microbiol. 5: 71-80. (name validly published: Int. J. Syst. Bacteriol. 34: 503-504, 1984).
20. Oren, A., Fattom, A., Padan, E., and Tietz, A. 1985. Unsaturated fatty acid composition and biosynthesis in *Oscillatoria limnetica* and other cyanobacteria. Arch. Microbiol. 141: 138-142.
21. Oren, A. 1985. The rise and decline of a bloom of halobacteria in the Dead Sea. Limnol. Oceanogr. 30: 911-915.
22. Oren, A., and Shilo, M. 1985. Factors determining the development of algal and bacterial blooms in the Dead Sea: a study of simulation experiments in outdoor ponds. FEMS Microbiol. Ecol. 31: 229-237.
23. Oren, A., and Vlodavsky, L. 1985. Survival of *Escherichia coli* and *Vibrio harveyi* in Dead Sea water. FEMS Microbiol. Ecol. 31: 365-371.
24. Oren, A. 1986. Intracellular salt concentrations of the anaerobic halophilic eubacteria *Haloanaerobium praevalens* and *Halobacteroides halobius*. Can. J. Microbiol. 32: 4-9.
25. Oren, A. 1986. The ecology and taxonomy of anaerobic halophilic eubacteria. FEMS Microbiol. Rev. 39: 23-29.
26. Oren, A. 1986. Dynamics of *Dunaliella* in the Dead Sea. pp. 351-359 In: Dubinsky, Z., Steinberger, Y. (eds.), Environmental quality and ecosystem stability, Vol. IIIA. Bar Ilan University Press, Ramat Gan.
27. Oren, A. 1986. Relationships of extremely halophilic bacteria towards divalent cations. pp. 52-58 In: Megušar, F., Gantar, M. (eds.), Perspectives in microbial ecology. Slovene Society for Microbiology, Ljubljana.
28. Hoyt, J.C., Oren, A., Escalante-Semerena, J.C., and Wolfe, R.S. 1986. Tetrahydromethanopterin-dependent serine transhydroxymethylase in *Methanobacterium thermoautotrophicum*. Arch. Microbiol. 145: 153-158.
29. Oren, A., Pohla, H., and Stackebrandt, E. 1987. Transfer of *Clostridium lortetii* to a new genus *Sporohalobacter* gen. nov. as *Sporohalobacter lortetii* comb. nov., and description of *Sporohalobacter marismortui* sp. nov. System. Appl. Microbiol. 9: 239-246. (name validly published: Int. J. Syst. Bacteriol. 38: 136, 1988).
30. Oren, A. 1987. On the use of tetrazolium salts for the measurement of microbial activity in sediments. FEMS Microbiol. Ecol. 45: 127-133.

31. Oren, A. 1987. A procedure for the selective enrichment of *Halobacteroides halobius* and related bacteria from anaerobic hypersaline sediments. FEMS Microbiol. Lett. 42: 201-204.
32. Oren, A., Lau, P.P., and Fox, G.E. 1988. The taxonomic status of "*Halobacterium marismortui*" from the Dead Sea: a comparison with *Halobacterium vallismortis*. System. Appl. Microbiol. 10: 251-258.
33. Oren, A. 1988. The microbial ecology of the Dead Sea. pp. 193-229 In: Marshall, K.C. (ed.), Advances in microbial ecology, Vol. 10. Plenum Publishing Company, New York.
34. Oren, A. 1988. Anaerobic degradation of organic compounds at high salt concentrations. Antonie van Leeuwenhoek 54: 267-277.
35. Oren, A., Gofshtein-Gandman, L.V., and Keynan, A. 1989. Hydrolysis of N α benzoyl-D-arginine-p-nitroanilide by members of the *Haloanaerobiaceae*: additional evidence that *Haloanaerobium praevalens* is related to endospore forming bacteria. FEMS Microbiol. Lett. 58: 5-9.
36. Oren, A., Kessel, M., and Stackebrandt, E. 1989. *Ectothiorhodospira marismortui* sp. nov., an obligately anaerobic, moderately halophilic purple sulfur bacterium from a hypersaline spring on the shore of the Dead Sea. Arch. Microbiol. 151: 524-529.
37. Oren, A., and Bekhor, D. 1989. Tolerance of extremely halophilic archaeobacteria towards bromide. Curr. Microbiol. 19: 371-374.
38. Oren, A. 1989. A method for the differential microscopic enumeration of *Halobacterium* cells. J. Microbiol. Meth. 10: 183-187.
39. Oren, A. 1989. Photosynthetic and heterotrophic bacterial communities of a hypersaline sulfur spring on the shore of the Dead Sea (Hamei Mazor). pp 64-76 In: Cohen, Y., Rosenberg, E. (eds.), Microbial mats: physiological ecology of benthic microbial communities. American Society for Microbiology, Washington, D.C.
40. Oren, A. 1989. Halobacteria in the Dead Sea in 1988-1989: novel approaches to the estimation of biomass and activity. pp. 247-255 In: Spanier, E., Steinberger, Y., Luria, M. (eds.), Environmental quality and ecosystem stability, vol. IV. Israel Society for Ecology and Environmental Quality Sciences Publication, Jerusalem.
41. Oren, A. 1990. Anaerobic degradation of organic compounds in hypersaline environments: possibilities and limitations. pp. 155-175 In: Wise, D.L. (ed.), Bioprocessing and biotreatment of coal. Marcel Dekker, New York.

42. Oren, A. 1990. Microbial formation of methane from pretreated lignite at high salt concentrations, pp. 449-463 In: Wise, D.L (ed.), Bioprocessing and biotreatment of coal. Marcel Dekker, New York.
43. Oren, A. 1990. Formation and breakdown of glycine betaine and trimethylamine in hypersaline environments. *Antonie van Leeuwenhoek* 58: 291-298.
44. Oren, A. 1990. Estimation of the contribution of halobacteria to the bacterial biomass and activity in a solar saltern by the use of bile salts. *FEMS Microbiol. Ecol.* 73: 41-48.
45. Oren, A. 1990. The use of protein synthesis inhibitors in the estimation of the contribution of halophilic archaeobacteria to bacterial activity in hypersaline environments. *FEMS Microbiol. Ecol.* 73: 187-192.
46. Oren, A. 1990. Thymidine incorporation in saltern ponds of different salinities: estimation of in situ growth rates of halophilic archaeobacteria and eubacteria. *Microb. Ecol.* 19: 43-51.
47. Oren, A., Ginzburg, M., Ginzburg, B.Z., Hochstein, L.I., and Volcani, B.E. 1990. *Haloarcula marismortui* (Volcani) sp. nov., nom. rev., an extremely halophilic bacterium from the Dead Sea. *Int. J. Syst. Bacteriol.* 40: 209-210.
48. Oren, A. 1990. Starch counteracts the inhibitory action of Bacto-peptone and bile salts in media for the growth of halobacteria. *Can. J. Microbiol.* 36: 299-301.
49. Oren, A., and Trüper, H.G. 1990. Anaerobic growth of halophilic archaeobacteria by reduction of dimethylsulfoxide and trimethylamine *N*-oxide. *FEMS Microbiol. Lett.* 70: 33-36.
50. Hershkovitz, N., Oren, A., and Cohen, Y. 1991. Accumulation of trehalose and sucrose in cyanobacteria exposed to matric water stress. *Appl. Environ. Microbiol.* 57: 645-648.
51. Oren, A. 1991. Anaerobic growth of halophilic archaeobacteria by reduction of fumarate. *J. Gen. Microbiol.* 137: 1387-1390.
52. Galinski, E.A., and Oren, A. 1991. Isolation and structure determination of a novel compatible solute from the moderately halophilic purple sulfur bacterium *Ectothiorhodospira marismortui*. *Eur. J. Biochem.* 198: 593-598.
53. Hershkovitz, N., Oren, A., Post, A., and Cohen, Y. 1991. Induction of water stress proteins in cyanobacteria exposed to matric or osmotic water stress. *FEMS Microbiol. Lett.* 83: 169-172.
54. Oren, A., Simon, G., and Galinski, E.A. 1991. Intracellular salt and solute concentrations in *Ectothiorhodospira marismortui*: glycine betaine and $N\alpha$ carbamoyl glutamineamide as osmotic solutes. *Arch. Microbiol.* 156: 350-355.

55. Oren, A., Gurevich, P., and Henis, Y. 1991. Reduction of nitrosubstituted aromatic compounds by the halophilic anaerobic eubacteria *Haloanaerobium praevalens* and *Sporohalobacter marismortui*. *Appl. Environ. Microbiol.* 57: 3367-3370.
56. Oren, A. 1991. Heterotrophic activities and estimation of bacterial growth rates during a bloom of halobacteria in the Dead Sea. *Kieler Meeresforsch., Sonderh.* 8: 225-230.
57. Oren, A. 1991. Estimation of the contribution of archaeobacteria and eubacteria to the bacterial biomass and activity in hypersaline ecosystems: novel approaches. pp. 25-31 In: Rodriguez-Valera, F. (ed.), *General and applied aspects of halophilic bacteria*. Plenum Publishing Company, New York.
58. Oren, A. 1991. Tetanus bacteria and other pathogens in the Dead Sea? *Salinet* 6: 84-85.
59. Oren, A. 1992. The genera *Haloanaerobium*, *Halobacteroides*, and *Sporohalobacter*. pp. 1893-1900 In: Balows, A., Trüper, H.G., Dworkin, M., Harder, W., Schleifer, K.H. (eds.), *The prokaryotes: a handbook on the biology of bacteria: ecophysiology, isolation, identification, applications*. 2nd. ed. Springer-Verlag, New York.
60. Gurevich, P., Oren, A., Sarig, S., and Henis, Y. 1992. Reduction of aromatic nitro compounds in anaerobic ecosystems. pp. 102-109 In: Adin, A., Gasith, A., Fattal, B., Kanarek, A. (eds.), *Environmental quality and ecosystem stability*. Vol. V/A. Israel Society for Ecology and Environmental Quality Sciences Publication, Jerusalem.
61. Oren, A. 1992. Bacterial activities in the Dead Sea, 1980-1991: survival at the upper limit of salinity. pp. 526-533 In: Gasith, A., Adin, A., Steinberger, Y., Garty, J. (eds.), *Environmental quality and ecosystem stability*. Vol. V/B. Israel Society for Ecology and Environmental Quality Sciences. Israel Society for Ecology and Environmental Quality Sciences Publication, Jerusalem.
62. Oren, A. 1992. Bacterial activities in the Dead Sea, 1980-1991: survival at the upper limit of salinity. *Int. J. Salt Lake Res.* 1: 7-20.
63. Yechieli, A., and Oren, A. 1992. The effect of direct rainfall and runoff on microbial activities along an arid hillslope, northern Negev, Israel. *J. Arid Environ.* 23: 209-220.
64. Oren, A., Stambler, N., and Dubinsky, Z. 1992. On the red coloration of saltern crystallizer ponds. *Int. J. Salt Lake Res.* 1: 77-89.
65. Oren, A., Gurevich, P., Azachi, M., and Henis, Y. 1992. Microbial degradation of pollutants at high salt concentrations. *Biodegradation* 3: 387-398.

66. Oren, A., and Gurevich, P. 1993. The fatty acid synthetase complex of *Haloanaerobium praevalens* is not inhibited by salt. FEMS Microbiol. Lett. 108: 287-290.
67. Oren, A., Gurevich, P., Azachi, M., and Henis, Y. 1993. Microbial degradation of pollutants at high salt concentrations. pp. 263-274 In: Rosenberg, E. (ed.), Microorganisms to combat pollution. Kluwer Academic Publishers, Dordrecht.
68. Oren, A. 1993. Ecology of extremely halophilic microorganisms. pp. 25-53 In: Vreeland, R.H., Hochstein, L.I. (eds.), The biology of halophilic bacteria. CRC Press, Boca Raton.
69. Oren, A. 1993. Availability, uptake, and turnover of glycerol in hypersaline environments. FEMS Microbiol. Ecol. 12: 15-23.
70. Oren, A. 1993. The Dead Sea - alive again. Experientia 49: 518-522.
71. Gurevich, P., Oren, A., Sarig, S., and Henis, Y. 1993. Reduction of aromatic nitro compounds in anaerobic ecosystems. Water Sci. Technol. 27: 89-96.
72. Oren, A., and Gurevich, P. 1993. Characterization of the dominant halophilic archaea in a bacterial bloom in the Dead Sea. FEMS Microbiol. Ecol. 12: 249-256.
73. Oren, A. 1993. Anaerobic heterotrophic bacteria growing at extremely high salt concentrations. pp. 539-542 In: Guerrero, R., Pedros-Alío, C. (eds.), Trends in microbial ecology. Spanish Society for Microbiology, Madrid.
74. Fischel, U., and Oren, A. 1993. Fate of compatible solutes during dilution stress in *Ectothiorhodospira marismortui*. FEMS Microbiol. Lett. 113: 113-118.
75. Oren, A. 1994. The ecology of extremely halophilic archaea. FEMS Microbiol. Rev. 13: 415-440.
76. Oren, A., and Gurevich, P. 1994. Distribution of glycerol dehydrogenase and glycerol kinase activity in halophilic archaea. FEMS Microbiol. Lett. 118: 311-316.
77. Oren, A., and Galinski, E.A. 1994. Hydrolysis of *N*-benzoyl-arginine-*p*-nitroanilide stereoisomers as a phenotypic test: a study of Gram-positive halotolerant bacteria. System. Appl. Microbiol. 17: 7-10.
78. Oren, A., and Gurevich, P. 1994. Production of D-lactate, acetate, and pyruvate from glycerol in communities of halophilic archaea in the Dead Sea and in saltern crystallizer ponds. FEMS Microbiol. Ecol. 14: 147-156.
79. Oren, A., Fischel, U., Aizenshtat, Z., Krein, E.B., and Reed, R.H. 1994. Osmotic adaptation of microbial communities in hypersaline microbial mats. pp. 125-130

In: Stal, L.J., Caumette, P. (eds.), Microbial mats. Structure, development and environmental significance. Springer-Verlag, Berlin.

- 80 Bhupathiraju, V.K., Oren, A., Sharma, P.K., Tanner, R.S., Woese, C.R., and McInerney, M.J. 1994. *Haloanaerobium salsugo* sp. nov., a moderately halophilic, anaerobic bacterium from a subterranean brine. *Int. J. Syst. Bacteriol.* 44: 565-572.
81. Oren, A. 1994. Enzyme diversity in halophilic archaea. *Microbiología SEM* 10: 217-228.
82. Oren, A., and Dubinsky, Z. 1994. On the red coloration of saltern crystallizer ponds. II. Additional evidence for the contribution of halobacterial pigments. *Int. J. Salt Lake Res.* 3: 9-13.
83. Oren, A. 1994. Characterization of the halophilic archaeal community in saltern crystallizer ponds by means of polar lipid analysis. *Int. J. Salt Lake Res.* 3: 15-29.
84. Yechieli, A., Oren, A., and Yair, A. 1995. The effect of moisture distribution on bacterial numbers and microbial activities along a hillslope, northern Negev, Israel. *Adv. GeoEcol.* 28: 193-207.
85. Oren, A., Gurevich, P., Anati, D.A., Barkan, E., and Luz, B. 1995. A bloom of *Dunaliella parva* in the Dead Sea in 1992: biological and biogeochemical aspects. *Hydrobiologia* 297: 173-185.
86. Oren, A., and Gurevich, P. 1995. Occurrence of the methylglyoxal bypass in halophilic archaea. *FEMS Microbiol. Lett.* 125: 83-87.
87. Oren, A., and Gurevich, P. 1995. Diversity of lactate metabolism in halophilic archaea. *Can. J. Microbiol.* 41: 302-307.
88. Oren, A. 1995. The role of glycerol in the nutrition of halophilic archaeal communities: a study of respiratory electron transport. *FEMS Microbiol. Ecol.* 16: 281-290.
89. Oren, A., and Gurevich, P. 1995. Isocitrate lyase activity in halophilic archaea. *FEMS Microbiol. Lett.* 130: 91-95.
90. Azachi, M., Oren, A., Gurevich, P., Sarig, S., and Henis, Y. 1995. Transformation of formaldehyde by a *Halomonas* sp. *Can. J. Microbiol.* 41: 548-553.
91. Oren, A. 1995. Uptake and turnover of acetate in hypersaline environments. *FEMS Microbiol. Ecol.* 18: 75-84.
92. Oren, A., Gurevich, P., Gemmell, R.T., and Teske, A. 1995. *Halobaculum gomorrense* gen. nov., sp. nov., a novel extremely halophilic Archaeon from the Dead Sea. *Int. J. Syst. Bacteriol.* 45: 747-754.

93. Anati, D.A., Gavrieli, I., and Oren, A. 1995. The residual effect of the 1991-93 rainy winters on stratification of the Dead Sea. *Israel J. Earth Sci.* 44: 63-70.
94. Oren, A. 1995. Comment on "Convergent evolution of amino acid usage in archaeobacterial and eubacterial lineages adapted to high salt", by M. Gandbhir *et al.* (*Res. Microbiol.* 1995, 146, 113-120). *Res. Microbiol.* 146: 805-806.
95. Oren, A., Köhl, M., and Karsten, U. 1995. An endoevaporitic microbial mat within a gypsum crust: zonation of phototrophs, photopigments, and light penetration. *Mar. Ecol. Prog. Ser.* 128: 151-159.
96. Oren, A., and Gurevich, P. 1995. Dynamics of a bloom of halophilic archaea in the Dead Sea. *Hydrobiologia* 315: 149-158.
97. Ventosa, A., and Oren, A. 1996. *Halobacterium salinarum* nom. corrig., a name to replace *Halobacterium salinarium* (Elazari-Volcani) and to include *Halobacterium halobium* and *Halobacterium cutirubrum*. *Int. J. Syst. Bacteriol.* 46: 347.
98. Oren, A., and Ventosa, A. 1996. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Meetings, 4 July 1994, Prague, Czech Republic. *Int. J. Syst. Bacteriol.* 46: 361.
99. Oren, A. 1996. Sensitivity of selected members of the *Halobacteriaceae* to quinolone antimicrobial compounds. *Arch. Microbiol.* 165: 354-358.
100. Oren, A., Duker, S., and Ritter, S. 1996. The polar lipid composition of Walsby's square bacterium. *FEMS Microbiol. Lett.* 138: 135-140.
101. Azachi, M., Henis, Y., Shapira, R., and Oren, A. 1996. The role of the outer membrane in formaldehyde tolerance in *Escherichia coli* VU3695 and *Halomonas* sp. MAC. *Microbiology UK* 142: 1249-1254.
102. Oren, A. 1996. Long-term dynamics of algal and bacterial communities in the Dead Sea as related to the physical structure of the water column. pp. 802-805 In Steinberger, Y. (ed.), *Preservation of our world in the wake of change*, Vol. VIB Israel Society for Ecology and Environmental Quality Sciences Publication, Jerusalem.
- 103.. Avrahami, S., and Oren, A. 1996. Phosphatase and phosphodiesterase activities in salt-saturated environments: the Dead Sea and saltern crystallizer ponds. pp. 810-813 In Steinberger, Y. (ed.), *Preservation of our world in the wake of change*, Vol. VIB. Israel Society for Ecology and Environmental Quality Sciences Publication, Jerusalem.
104. Oren, A. 1996. Life in the Dead Sea. *Galileo* 18: 36-43 (in Hebrew)

105. Oren, A., and Ventosa, A. 1996. A proposal for the transfer of *Halorubrobacterium distributum* and *Halorubrobacterium coriense* to the genus *Halorubrum* as *Halorubrum distributum* comb. nov. and *Halorubrum coriense* comb. nov., respectively. *Int. J. Syst. Bacteriol.* 46: 1180.
106. Oren, A., and Anati, D.A. 1996. Termination of the Dead Sea 1991-1995 stratification: biological and physical evidence. *Israel J. Earth Sci.* 45: 81-88.
107. Oren, A., Kamekura, M., and Ventosa, A. 1997. Confirmation of strain VKM B 1733 as the type strain of *Halorubrum distributum*. *Int. J. Syst. Bacteriol.* 47: 231-232.
108. Oren, A., Ventosa, A., and Grant, W.D. 1997. Proposed minimal standards for the description of new taxa in the order Halobacteriales. *Int. J. Syst. Bacteriol.* 47: 233-238.
109. Oren, A., and Ventosa, A. 1997. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Meetings, 19 and 20 August 1996, Jerusalem, Israel. *Int. J. Syst. Bacteriol.* 47: 595-560.
110. Oren, A. 1997. Mycosporine-like amino acids as osmotic solutes in a community of halophilic cyanobacteria. *Geomicrobiol. J.* 14: 233-242.
111. Oren, A., Heldal, M., and Norland, S. 1997. X-ray microanalysis of intracellular ions in the anaerobic halophilic eubacterium *Haloanaerobium praevalens*. *Can. J. Microbiol.* 43: 588-592.
112. Oren, A., Bratbak, G., and Heldal, M. 1997. Occurrence of virus-like particles in the Dead Sea. *Extremophiles* 1: 143-149.
113. Oren, A., and Ben-Yosef, N. 1997. Development and spatial distribution of an algal bloom in the Dead Sea: A remote sensing study. *Aquat. Microb. Ecol.* 13: 219-223.
114. Oren, A. 1997. Ecology of halophilic archaea: community structure and activity of halobacterial blooms. pp. 265-270 In Martins, M.T., Zaoli Sato, M.I., Tiedje, J.M., Norton Hagler, L.C., Döbereiner, J., Sanchez-Sanchez, P. (eds.), *Progress in microbial ecology. SBM/ICOME*.
115. Oren, A. 1997. Microbiological studies in the Dead Sea: 1892-1992. pp. 205-213 in: Niemi, T., Ben-Avraham, Z., Gat, J.R. (eds.), *The Dead Sea - The lake and its setting*. Oxford University Press, New York.
116. Ventosa, A., Nieto, J.J., and Oren, A. 1998. Biology of aerobic moderately halophilic bacteria. *Microbiol. Mol. Biol. Rev.* 62: 504-544.

117. Gilboa-Garber, N., Mymon, H., and Oren, A. 1998. Typing of halophilic Archaea and characterization of their cell surface carbohydrate by use of lectins. *FEMS Microbiol. Lett.* 163: 91-97.
118. Harker, M., Hirschberg, J., and Oren, A. 1998. *Paracoccus marcusii* sp. nov., an orange gram-negative coccus. *Int. J. Syst. Bacteriol.* 48: 543-548.
119. Grant, W.D., Oren, A., and Ventosa, A. 1998. Proposal of strain NCIMB 13488 as neotype of *Halorubrum trapanicum*. *Int. J. Syst. Bacteriol.* 48: 1077-1078.
120. Oren, A. 1998. Life and survival in a magnesium chloride brine: the biology of the Dead Sea. pp. 44-54 in: R.B. Hoover (ed.), *Instruments, methods, and missions for astrobiology*. SPIE - the International Society for Optical Engineering, Bellingham, WA.
121. Buchalo, A.S., Nevo, E., Wasser, S.P., Oren, A., and Molitoris, H.P. 1998. Fungal life in the extremely hypersaline water of the Dead Sea: first records. *Proc. R. Soc. London B.* 265: 1461-1465.
122. Montalvo-Rodríguez, R., Vreeland, R.H., Oren, A., Kessel, M., Betancourt, C., and López-Garriga, J. 1998. *Halogeometricum borinquense* gen. nov., sp. nov., a novel halophilic Archaeon from Puerto Rico. *Int. J. Syst. Bacteriol.* 48: 1305-1312.
123. Oren, A., and Litchfield, C.D. 1998. Early salt production at the Dead Sea and the Mediterranean coast of the Holy Land. *J. Salt History* 6: 7-17.
124. Oren, A. 1999. Microbiology and biogeochemistry of halophilic microorganisms - an overview. pp. 1-10 In: Oren, A. (ed.), *Microbiology and biogeochemistry of hypersaline environments*. CRC Press, Boca Raton.
125. Aizenshtat, Z., Miloslavski, I., Aschengrau, D., and Oren, A. 1999. Hypersaline depositional environments and their relation to oil generation. pp. 89-108 In: Oren, A. (ed.), *Microbiology and biogeochemistry of hypersaline environments*. CRC Press, Boca Raton.
126. Oren, A. 1999. The rise and decline of a bloom of halophilic algae and archaea in the Dead Sea: 1992-1995. pp. 129-138 In: Oren, A. (ed.), *Microbiology and biogeochemistry of hypersaline environments*. CRC Press, Boca Raton.
127. Marvin DiPasquale, M., Oren, A., Cohen, Y., and Oremland, R.S. 1999. Radiotracer studies of bacterial methanogenesis in sediments from the Dead Sea and Solar Lake (Sinai). pp. 149-160 In: Oren, A. (ed.), *Microbiology and biogeochemistry of hypersaline environments*. CRC Press, Boca Raton.
128. Oren, A. 1999. The halophilic Archaea - evolutionary relationships and adaptation to life at high salt concentrations. pp. 345-361 In: Wasser, S.P. (ed.), *Evolutionary theory and processes: modern perspectives. Papers in honour of Eviatar Nevo*. Kluwer Academic Publishers, Dordrecht.

129. Oren, A. 1999. The enigma of square and triangular bacteria. pp. 337-355 In: Seckbach, J. (ed.), *Enigmatic microorganisms and life in extreme environmental habitats*. Kluwer Academic Publishers, Dordrecht.
130. Oren, A., and Litchfield, C.D. 1999. A procedure for the enrichment and isolation of *Halobacterium* species. *FEMS Microbiol. Lett.* 173: 353-358.
131. Oren, A., Ventosa, A., Gutiérrez, M.C., and Kamekura, M. 1999. *Haloarcula quadrata* sp. nov., a square, motile archaeon isolated from a brine pool in Sinai (Egypt). *Int. J. Syst. Bacteriol.* 49: 1149-1155.
132. Madigan, M.T., and Oren, A. 1999. Thermophilic and halophilic extremophiles. *Curr. Opin. Microbiol.* 2: 265-269.
133. Oren, A. 1999. Bioenergetic aspects of halophilism. *Microbiol. Mol. Biol. Rev.* 63: 334-348.
134. Oren, A., and Ventosa, A. 1999. In memoriam – Benjamin Elazari Volcani. *ASM News* 65: 233.
135. Oren, A., and Ventosa, A. 1999. In memoriam – Benjamin Elazari Volcani. *Int. J. Salt Lake Res.* 8: 3-6.
136. Oren, A., and Ventosa, A. 1999. In memoriam – Benjamin Elazari Volcani. *Extremophiles* 3: 173-174.
137. Oren, A., and Ventosa, A. 1999. Benjamin Elazari-Volcani (1915-1999): sixty-three years of studies of the microbiology of the Dead Sea. *Internatl. Microbiol.* 2: 195-198.
138. Oren, A. 1999. Microbiological studies in the Dead Sea: future challenges toward the understanding of life at the limit of salt concentrations. *Hydrobiologia* 405: 1-9.
139. Oren, A. 2000. Life at high salt concentrations. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), *The Prokaryotes: An Evolving Electronic Resource for the Microbiological Community*, 3rd ed., release 3.1, 20 January 2000. Springer-Verlag, New York, <http://link.springer-ny.com/link/service/books/10125/>.
140. Kis-Papo, T., and Oren, A. 2000. Halocins: are they involved in the competition between halobacteria in saltern ponds? *Extremophiles* 4: 35-41.
141. Buchalo, A.S., Nevo, E., Wasser, S.P., Molitoris, H.P., Oren, A., and Volz, P.A. 2000. Fungi discovered in the Dead Sea. *Mycol. Res.* 104: 132-133.
142. Montalvo-Rodríguez, R., López-Garriga, J., Vreeland, R.H., Oren, A., Ventosa, A., and Kamekura, M. 2000. *Haloterrigena thermotolerans* sp. nov., a

- halophilic Archaeon from Puerto Rico. *Int. J. Syst. Evol. Microbiol.* 50: 1065-1071.
143. Oren, A., and Ventosa, A. 2000. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Meetings, 16 August 1999, Sydney, Australia. *Int. J. Syst. Evol. Microbiol.* 50: 1405-1407.
 144. Oren, A. 2000. Biological processes in the Dead Sea as influenced by short-term and long-term salinity changes. *Arch. Hydrobiol. Spec. Issues Advanc. Limnol.* 55: 531-542.
 145. Litchfield, C.D., Irby, A., Kis-Papo, T., and Oren, A. 2000. Microbial diversity within the Eilat, Israel saltern. pp. 1229-1230 in: Geertman, R.M. (ed.), 8th World Salt Symposium, vol. 2. Elsevier, Amsterdam.
 146. Oren, A. 2000. Salts and brines. pp. 281-306 In: Whitton, B.A., and Potts, M. (eds.), *Ecology of cyanobacteria: their diversity in time and space*. Kluwer Academic Publishers, Dordrecht.
 147. Molitoris, H.P., Buchalo, A.S., Kurchenko, I., Nevo, E., Rawal, B.S., Wasser, S.P., and Oren, A. 2000. Physiological diversity of the first filamentous fungi isolated from the hypersaline Dead Sea. In: Hyde, D.K., Ho, W.H., and Pointing, S.B. (eds.), *Aquatic mycology across the millennium*. *Fungal Diversity* 5: 55-70.
 148. Seckbach, J., and Oren, A. 2000. A vista into the diverse microbial world: an introduction to microbes at the edge of life. pp. 5-13 in: Seckbach, J. (ed.), *Journey to diverse microbial worlds. Adaptation to exotic environments*. Kluwer Academic Publishers, Dordrecht.
 149. Oren, A. 2000. Microbial life at high salt concentrations: possibilities and limitations. pp. 227-238 In: Seckbach, J. (ed.), *Journey to diverse microbial worlds. Adaptation to exotic environments*. Kluwer Academic Publishers, Dordrecht.
 150. Litchfield, C.D., Irby, A., Kis-Papo, T., and Oren, A. 2000. Comparisons of the polar lipid and pigment profiles of two solar salterns located in Newark, California, U.S.A., and Eilat, Israel. *Extremophiles* 4: 259-265.
 151. Oren, A. 2000. Change of the names *Haloanaerobiales*, *Haloanaerobiaceae*, and *Haloanaerobium* to *Halanaerobiales*, *Halanaerobiaceae*, and *Halanaerobium*, respectively, and further nomenclature changes within the order *Haloanaerobiales*. *Int. J. Syst. Evol. Microbiol.* 50: 2229-2230.
 152. Oren, A., and Oremland, R.S. 2000. Diversity of anaerobic halophilic microorganisms. pp. 96-105 in: Hoover, R.B. (ed.), *Instruments, methods, and missions for astrobiology III*. SPIE - the International Society for Optical Engineering, Bellingham, WA.

153. Seckbach, J., and Oren, A. 2000. Extremophile microorganisms as candidates for extraterrestrial life. pp. 89-95 In: Hoover, R.B. (ed.), Instruments, methods, and missions for astrobiology III. SPIE - the International Society for Optical Engineering, Bellingham, WA.
154. Oren, A. 2001. The order Haloanaerobiales. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), The Prokaryotes: An Evolving Electronic Resource for the Microbiological Community, 3rd ed., release 3.2, 25 July 2001. Springer-Verlag, New York, <http://link.springer-ny.com/link/service/books/10125/>.
155. Oren, A. 2001. The order Halobacteriales. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), The Prokaryotes: An Evolving Electronic Resource for the Microbiological Community, 3rd ed., release 3.2, 25 July 2001. Springer-Verlag, New York, <http://link.springer-ny.com/link/service/books/10125/>.
156. Switzer Blum, J., Stolz, J.F., Oren, A., and Oremland, R.S. 2001. *Selenihalanaerobacter shriftii* gen. nov., sp. nov., a halophilic anaerobe from Dead Sea sediments that respire selenate. Arch. Microbiol. 175: 208-219.
157. Oren, A. 2001. Production of salt in the Holy Land and the surrounding area as reported by pilgrims and explorers - 1697-1917. pp. 245-263 in: Litchfield, C.D., Palme, R., and Piasecki, P. (eds.), Le monde du sel. Mélanges offerts à Jean-Claude Hocquet. Berenkamp, Hall in Tirol.
158. Oren, A, Montalvo-Rodríguez, R., and Vreeland, R.H. 2001. Genus *Halogeometricum* Montalvo-Rodríguez, Vreeland, Oren, Kessel, Betancourt and López-Garriga 1998, 1305^{VP}. pp. 318-319 In: Boone, D.R., Castenholz, R.W., and Garrity, G.M. (eds.), Bergey's manual of systematic bacteriology, 2nd. ed., vol. 1. Springer-Verlag, New York.
159. Oren, A. 2001. Genus *Halobaculum* Oren, Gurevich, Gemmell and Teske 1995, 747^{VP}. pp. 309-311 In: Boone, D.R., Castenholz, R.W., and Garrity, G.M. (eds.), Bergey's manual of systematic bacteriology, 2nd. ed., vol. 1. Springer-Verlag, New York.
160. Xu, Y., Zhou, P., Tian, X., and Oren, A. 2001. Genus *Natronorubrum* Xu, Zhou, and Tian 1999, 261^{VP}. pp. 333-334 In: Boone, D.R., Castenholz, R.W., and Garrity, G.M. (eds.), Bergey's manual of systematic bacteriology, 2nd. ed., vol. 1. Springer-Verlag, New York.
161. Oren, A. and Rodríguez-Valera, F. 2001. The contribution of halophilic Bacteria to the red coloration of saltern crystallizer ponds. FEMS Microbiol. Ecol. 36: 123-130.

162. Kis-Papo, T., Grishkan, I., Oren, A., Wasser, S.P., and Nevo, E. 2001. Spatiotemporal diversity of filamentous fungi in the hypersaline Dead Sea. *Mycol. Res.* 105: 749-756.
163. Seckbach, J., and Oren, A. 2001. From extremophiles to astrobiology. pp. 241-245 In: Chela-Flores, J., Owen, T., and Raulin, F. (eds.), *First steps of life in the Universe*. Kluwer Scientific Publishers, Dordrecht.
164. Oren, A. 2001. The bioenergetic basis for the decrease in metabolic diversity at increasing salt concentrations: implications for the functioning of salt lake ecosystems. *Hydrobiologia* 466: 61-72.
165. Litchfield, C.D., Irby, A., Kis-Papo, T., and Oren, A. 2001. Comparative metabolic diversity in two solar salterns. *Hydrobiologia* 466: 73-80.
166. Litchfield, C.D., and Oren, A. 2001. Polar lipids as biomarkers for the study of the microbial community structure of solar salterns in different geographic locations. *Hydrobiologia* 466: 81-89.
167. Oren, A., and Seckbach, J. 2001. Oxygenic photosynthetic microorganisms in extreme environments. In: Elster, J., Seckbach, J., Vincent, W., and Lhotsky, O., (eds.), *Algae and extreme environments - ecology and physiology*. Nova Hedwigia Beiheft 123: 13-31.
168. Oren, A., and Ventosa, A. 2002. International Committee on Systematics of Prokaryotes Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Meetings, 24 September 2001, Sevilla, Spain. *Int. J. Syst. Evol. Microbiol.* 52: 289-290.
169. Oren, A., and Gavrieli, I. 2002. The Dead Sea - recent changes in the limnology of a hypersaline terminal desert lake. *SIL News* 35: 1-5.
179. Oren, A. 2002. Diversity of halophilic microorganisms: environments, phylogeny, physiology, and applications. *J. Ind. Microbiol. Biotechnol.* 28: 56-63.
171. Antón, J., Oren, A., Benlloch, S., Rodríguez-Valera, F., Amann, R., and Rosselló-Mora, R. 2002. *Salinibacter ruber* gen. nov., sp. nov., a novel extreme halophilic member of the Bacteria from saltern crystallizer ponds. *Int. J. Syst. Evol. Microbiol.* 52: 485-491.
172. Oren, A. 2002. Molecular ecology of extremely halophilic Archaea and Bacteria. *FEMS Microbiol. Ecol.* 39: 1-7.
173. Kedar, L., Kashman, Y., and Oren, A. 2002. Mycosporine-2-glycine is the major mycosporine-like amino acid in a unicellular cyanobacterium (*Euhalothece* sp.) isolated from a gypsum crust in a hypersaline saltern pond. *FEMS Microbiol. Lett.* 208: 233-237.

174. Oren, A. 2002. Adaptation of halophilic Archaea to life at high salt concentrations. pp. 81-96 In: Lauchli, A., and Luttge, U. (eds.), *Salinity: environment - plants - molecules*. Kluwer Academic Publishers, Dordrecht.
175. Oren, A., and Mana, L. 2002. Amino acid composition of bulk protein and salt relationships of selected enzymes of *Salinibacter ruber*, an extremely halophilic Bacterium. *Extremophiles* 6: 217-223.
176. Oren, A., Elevi, R., Watanabe, S., Ihara, K., and Corcelli, A. 2002. *Halomicrobium mukohataei* gen. nov., comb. nov., and emended description of *Halomicrobium mukohataei*. *Int. J. Syst. Evol. Microbiol.* 52: 1831-1835.
177. Oren, A., and Stackebrandt, E. 2002. Prokaryote taxonomy online: challenges ahead. *Nature* 419: 15.
178. Lutnas, B.F., Oren, A., and Liaaen-Jensen, S. 2002. New C₄₀-carotenoid acyl glycoside as principal carotenoid of *Salinibacter ruber*, an extremely halophilic eubacterium. *J. Nat. Prod.* 65: 1340-1343.
179. Oren, A., and Ventosa, A. 2002. International Committee on Systematics of Prokaryotes Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Meetings, 30 July 2002, Paris, France. *Int. J. Syst. Evol. Microbiol.* 52: 2343-2344.
180. Lattanzio, V., Corcelli, A., Mascolo, G., and Oren, A. 2002. Presence of two novel cardiolipins in the halophilic archaeal community in the crystallizer brines from the salterns of Margherita di Savoia (Italy) and Eilat (Israel). *Extremophiles* 6: 437-444.
181. Oren, A., Heldal, M., Norland, S., and Galinski, E.A. 2002. Intracellular ion and organic solute concentrations of the extremely halophilic Bacterium *Salinibacter ruber*. *Extremophiles* 6: 491-498.
182. Gavrieli, I., Lanski, N., Yaari-Gazit, N., and Oren, A. 2002. The impact of the proposed "Peace Conduit" on the Dead Sea. Evaluation of current knowledge on Dead Sea – seawater mixing. The Geological Survey of Israel, Report GSI/23/2002, 42 pp.
183. Oren, A. 2002. Unexpected diversity of heterotrophic prokaryotes living at the highest salt concentrations. pp. 201-204 In: *Proceedings of the Second European Workshop on Exo/Astrobiology Graz, Austria, 16-19 September 2002* European Space Agency Publication SP-518.
184. Oren, A. 2002. Metabolic diversity in prokaryotes and eukaryotes. Edited by G. Contrafatto, In: *Encyclopedia of Life Support Systems (EOLSS)*, EOLSS Publishers, Oxford (<http://www.eolss.net>).

185. Oren, A. 2002. Systematics of Archaea and Bacteria. Edited by G. Contrafatto, In: Encyclopedia of Life Support Systems (EOLSS), EOLSS Publishers, Oxford (<http://www.eolss.net>).
186. Oren, A. 2002. Diversity of form, function and adaptation in microorganisms. Edited by G. Contrafatto, In: Encyclopedia of Life Support Systems (EOLSS), EOLSS Publishers, Oxford (<http://www.eolss.net>).
187. Kis-Papo, T., Oren, A., Wasser, S.P., and Nevo, E. 2003. Survival of spores of filamentous fungi in Dead Sea water. *Microb. Ecol.* 45: 183-190.
188. Oren, A., Gavrieli, I., Gavrieli, J., Aharoni, M., Lati, J., and Kohen, M. 2003. Biological simulation experiments related to mixing of seawater in the Dead Sea (Implications for the future of the Dead Sea). Report GSI/6/2003, The Ministry of National Infrastructures, Geological Survey of Israel.
189. Oren, A., and Mana, L. 2003. Sugar metabolism in the extremely halophilic bacterium *Salinibacter ruber*. *FEMS Microbiol. Lett.* 223: 83-87.
190. Müller, V., and Oren, A. 2003. Metabolism of chloride in halophilic prokaryotes. *Extremophiles* 7: 261-266.
191. Bonete, M.-J., Pérez-Pomares, F., Díaz, S., Ferrer, J., and Oren, A. 2003. Occurrence of two different glutamate dehydrogenase activities in the halophilic bacterium *Salinibacter ruber*. *FEMS Microbiol. Lett.* 226: 181-186.
192. Oren, A. 2003. What is the International Committee on Systematics of Prokaryotes? On bacterial names and on the way these names are determined. *ISM News* 38: 16-19.
193. Oren, A. 2003. The history of the physical, chemical and biological exploration of the Dead Sea. pp. 9-25 In: Nevo, E., Oren, A., and Wasser, S.P.(eds.), *Fungal life in the Dead Sea*. A.R.G. Gantner Verlag, Ruggell.
194. Oren, A. 2003. Physical and chemical limnology of the Dead Sea. pp. 45-67 In: Nevo, E., Oren, A., and Wasser, S.P. (eds.), *Fungal life in the Dead Sea*. A.R.G. Gantner Verlag, Ruggell.
195. Oren, A. 2003. Biodiversity and community dynamics in the Dead Sea: Archaea, bacteria and eucaryotic algae. pp. 117-140 In: Nevo, E., Oren, A., and Wasser, S.P. (eds.), *Fungal life in the Dead Sea*. A.R.G. Gantner Verlag, Ruggell.
196. Kis-Papo, T., Grishkan, I., Gunde-Cimerman, N., Oren, A., Wasser, S.P., and Nevo, E. 2003. Spatiotemporal patterns of filamentous fungi in the Dead Sea, pp. 271-292 in: Nevo, E., Oren, A., and Wasser, S.P. (eds.), *Fungal life in the Dead Sea*. A.R.G. Gantner Verlag, Ruggell.
197. Kis-Papo, T., Oren, A., Wasser, S., and Nevo, E. 2003. Physiological adaptations of Dead Sea fungi to the Dead Sea: survival of spores and vegetative cells. pp.

- 293-313 In: Nevo, E., Oren, A., and Wasser, S.P. (eds.), Fungal life in the Dead Sea. A.R.G. Gantner Verlag, Ruggell.
198. Kis-Papo, T., Oren, A., and Nevo, E. 2003. Genetic diversity of filamentous fungi under hypersaline stress in the Dead Sea. pp. 314-333 In: Nevo, E., Oren, A., and Wasser, S.P. (eds.), Fungal life in the Dead Sea. A.R.G. Gantner Verlag, Ruggell.
199. Oren, A. 2003. A short bibliography of publications dealing with microorganisms isolated from the Dead Sea. pp. 335-351 In: Nevo, E., Oren, A., and Wasser, S.P. (eds.), Fungal life in the Dead Sea. A.R.G. Gantner Verlag, Ruggell.
200. Oren, A., Rodríguez-Valera, F., Antón, J., Benlloch, S., Rosselló-Mora, R., Amann, R., Coleman, J., and Russell, N.J. 2004. Red, extremely halophilic, but not archaeal: the physiology and ecology of *Salinibacter ruber*, a Bacterium isolated from saltern crystallizer ponds, pp. 63-76 In: Ventosa, A. (ed.), Halophilic microorganisms. Springer-Verlag, Berlin.
201. Corcelli, A., Lattanzio, V.M.T., and Oren, A. 2004. The archaeal cardiolipins of the extreme halophiles, pp. 205-214 In: Ventosa, A. (ed.), Halophilic microorganisms. Springer-Verlag, Berlin.
202. Peyton, B.M., Mormile, M.R., Alva, V., Oie, C., Roberto, F., Apel, W.A., and Oren, A. 2004. Biotransformation of toxic organic and inorganic contaminants by halophilic bacteria, pp. 315-331 In: Ventosa, A. (ed.), Halophilic microorganisms. Springer-Verlag, Berlin.
203. Oren, A. 2004. Convergent evolution in extremely halophilic prokaryotes: a comparison between *Salinibacter ruber* (Bacteria) and the Halobacteriaceae (Archaea). pp. 53-64 In: S.P. Wasser (ed.), Evolutionary theory and processes: modern horizons. Papers in honour of Eviatar Nevo. Kluwer Academic Publishers, Dordrecht.
204. Ventosa, A., Gutiérrez, M.C., Kamekura, M., Zvyagintseva, I.S., and Oren, A. 2004. Taxonomic study of *Halorubrum distributum* and proposal of *Halorubrum terrestre* sp. nov. Int. J. Syst. Evol. Microbiol. 54: 389-392.
205. Sørensen, K.B., Canfield, D.E., and Oren, A. 2004. Salinity responses of benthic microbial communities in a solar saltern (Eilat, Israel). Appl. Environ. Microbiol. 70: 1608-1616.
206. Sher, J., Elevi, R., Mana, L., and Oren, A. 2004. Glycerol metabolism in the extremely halophilic bacterium *Salinibacter ruber*. FEMS Microbiol. Lett. 232: 211-215.
207. Gavrieli, I. and Oren, A. 2004. The Dead Sea as a dying lake, pp. 287-305 In: Nihoul, J.C.J., Zavialov, P.O., and Micklin, P.P. (eds.), Dying and dead seas. Climatic versus anthropic causes. Kluwer Academic Publishers, Dordrecht.

208. Oren, A., Gavrieli, I., Gavrieli, J., Lati, J., Kohen, M., and Aharoni, M. 2004. Biological effects of dilution of Dead Sea water with seawater: implications for the planning of the Red Sea – Dead Sea “Peace Conduit”. *J. Mar. Syst.* 46: 121-131.
209. Elshahed, M.S., Najar, F.Z., Roe, B.A., Oren, A., Dewers, T.A., and Krumholz, L.R. 2004. Survey of archaeal diversity reveals abundance of halophilic *Archaea* in a low-salt, sulfide- and sulfur-rich spring. *Appl. Environ. Microbiol.* 70: 2230-2239.
210. Oren, A. 2004. Prokaryote diversity and taxonomy: present status and future challenges. *Phil. Trans. R. Soc. B* 359: 623-638.
211. Oren, A. 2004. Halophilic microorganisms: physiology and phylogeny. pp. 413-426 In: Seckbach, J. (ed.), *Origins*. Kluwer Academic Publishers, Dordrecht.
212. Seckbach, J., and Oren, A. 2004. Introduction to the extremophiles. pp. 373-393 In: Seckbach, J. (ed.), *Origins*. Kluwer Academic Publishers, Dordrecht.
213. Euzéby, J.P., Hoyles, L., Kämpfer, P., Oren, A., Sadder, G.S., Tindall, B.J., and Trüper, H.G. 2004. ‘List of changes in taxonomic opinions’: making use of the new lists. *Int. J. Syst. Evol. Microbiol.* 54: 1429-1430.
214. Oren, A. 2004. A proposal for further integration of the Cyanobacteria under the Bacteriological Code. *Int. J. Syst. Evol. Microbiol.* 54: 1895-1902.
215. Canfield, D.E., Sørensen, K.B., and Oren, A. 2004. Biogeochemistry of a gypsum-encrusted microbial ecosystem. *Geobiology* 2: 133-150.
216. Oren, A. 2004. The genera *Rhodothermus*, *Thermonema*, *Hymenobacter* and *Salinibacter*. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), *The Prokaryotes: An Evolving Electronic Resource for the Microbiological Community*, 3rd ed., release 3.17, 31 August 2004. Springer-Verlag, New York, <http://link.springer-ny.com/link/service/books/10125/>.
217. Elshahed, M.S., Savage, K.N., Oren, A., Gutierrez, M.C., Ventosa, A., and Krumholz, L.R. 2004. *Haloferax sulfurifontis* sp. nov., a halophilic archaeon isolated from a sulfide and sulfur-rich spring. *Int. J. Syst. Evol. Microbiol.* 54: 2275-2279.
218. Corcelli, A., Lattanzio, V.M.T., Mascolo, G., Babudri, F., Oren, A., and Kates, M. 2004. Novel sulfonolipid in the extremely halophilic bacterium *Salinibacter ruber*. *Appl. Environ. Microbiol.* 70: 6678-6685.
219. Elevi, R., Assa, P., Birbir M., Ogan, A., and Oren, A. 2004. Characterization of extremely halophilic Archaea isolated from the Ayvalik saltern, Turkey. *World J. Microbiol. Biotechnol.* 20: 719-725.

220. Oren, A. 2004. Diversity of *Archaea*, *Bacteria*, and *Eucarya* in saltern evaporation ponds. In: Altug, G. and Onaç-Içöz, I. (eds.), Marine bacteriology 2004 congress proceedings, pp. 1-10. Faculty of Fisheries, University of Istanbul.
221. Oren, A., and Ventosa, A. 2005. International Committee on Systematics of Prokaryotes Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Meetings, 5 September 2004, Ljubljana, Slovenia. *Int. J. Syst. Evol. Microbiol.* 55: 543-544.
222. Oren, A. 2005. Halophilic clostridia. pp. 749-767 In: Dürre, P. (ed.), Handbook on Clostridia. CRC Press, Boca Raton.
223. Butinar, L., Santos, S., Spencer-Martins, I., Oren, A., and Gunde-Cimerman, N. 2005. Yeast diversity in hypersaline habitats. *FEMS Microbiol. Lett.* 244: 229-234.
224. Wright, D.T., and Oren, A. 2005. Nonphotosynthetic bacteria and the formation of carbonates and evaporites through time. *Geomicrobiology J.* 22: 27-53.
225. Gavrieli, I., Bein, A., and Oren, A. 2005. The expected impact of the “Peace Conduit” project (the Red Sea – Dead Sea pipeline) on the Dead Sea. *Mitigation and Adaptation Strategies for Global Change* 10: 3-22. Erratum: p. 739 and pp. 759-777.
226. Oren, A. 2005. A hundred years of *Dunaliella* research – 1905-2005. *Saline Systems, Saline Systems* 1: 2. doi:10.1186/1746-1448-1-2.
227. Dale, C., Aksoy, S., Welburn, S.C., Maudlin, I., and Oren, A. 2005. Genus XXXVI *Sodalis* Dale and Maudlin 1999, 267VP. pp. 823-825 In Brenner, D.J., Krieg, N.R., and Staley, J.T. (volume editors), Garrity, G.M. (editor in chief), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 2. The Proteobacteria, Part B. The Gammaproteobacteria. Springer-Verlag, New York.
228. Oren, A., Larimer, F., Richardson, P., Lapidus, A., and Csonka, L.N. 2005. How to be moderately halophilic with a broad salt tolerance: clues from the genome of *Chromohalobacter salexigens*. *Extremophiles* 9: 275-279.
229. Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. 2005. Introduction. pp. 1-6 In: Gunde-Cimerman, N., Plemenitaš, A., and Oren, A. (eds.). *Adaptation to life at high salt concentrations in Archaea, Bacteria, and Eukarya*. Springer, Dordrecht.
230. Oren, A., Gavrieli, I., Gavrieli, J., Kohen, M., Lati, J., and Aharoni, M. 2005. Microbial communities in the Dead Sea – past, present and future. pp. 27-39 In: Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. (eds.). *Adaptation to life at high salt concentrations in Archaea, Bacteria, and Eukarya*. Springer, Dordrecht.

231. Oren, A. 2005. Microscopic examination of microbial communities along a salinity gradient in saltern evaporation ponds: a 'halophilic safari'. pp. 41-57 In: Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. (eds.). Adaptation to life at high salt concentrations in Archaea, Bacteria, and Eukarya. Springer, Dordrecht.
232. Oren, A. 2005. A century of Dunaliella research: 1905-2005. pp. 491-502 In: Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. (eds.). Adaptation to life at high salt concentrations in Archaea, Bacteria, and Eukarya. Springer, Dordrecht.
233. Csonka, L.N., O'Connor, K., Larimer, F., Richardson, P., Lapidus, A., Ewing, A.D., Goodner, B.W., and Oren, A. 2005. What we can deduce about metabolism in the moderate halophile *Chromohalobacter salexigens* from its genomic sequence. pp. 267-285 In: Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. (eds.). Adaptation to life at high salt concentrations in Archaea, Bacteria, and Eukarya. Springer, Dordrecht.
234. Oren, A. and Gunde-Cimerman, N. 2005. Salt lakes, salterns, and salt mines: the "salt of the earth", pp. 13-23 In: Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. 2005. Mikrosafari – Čudoviti svet mikroorganizmov solin (The beautiful world of microorganisms in the salterns). Bilingual Slovenian/English publication. Državna Založba Slovenije, Ljubljana.
235. Oren, A., and Gunde-Cimerman, N. 2005. The variety of microbial life forms in the salterns – a microsafari from seawater to saturated brines, pp. 24-57 In: Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. 2005. Mikrosafari – Čudoviti svet mikroorganizmov solin (The beautiful world of microorganisms in the salterns). Bilingual Slovenian/English publication. Državna Založba Slovenije, Ljubljana.
236. Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. 2005. For the more curious readers. In: Gunde-Cimerman, N., Oren, A., and Plemenitaš, A. 2005. Mikrosafari – Čudoviti svet mikroorganizmov solin (The beautiful world of microorganisms in the salterns). Bilingual Slovenian/English publication. Državna Založba Slovenije, Ljubljana.
237. Oren, A., Ionescu, D., Lipski, A., and Altendorf, K. 2005. Fatty acid analysis of a layered community of cyanobacteria developing in a hypersaline gypsum crust. *Algological Studies* 117: 339-347.
238. Oren, A., and Tindall, B.J. 2005. Nomenclature of the cyanophyta/ cyanobacteria/ cyanoprokaryotes under the International Code of Nomenclature of Prokaryotes. *Algological Studies* 117: 39-52.
239. Oren, A., and Ventosa, A. 2005. International Committee on Systematics of Prokaryotes Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Meetings, 25 July 2005, San Francisco, California, USA. *Int. J. Syst. Evol. Microbiol.* 55: 2637-2638.

240. Oren, A., Pri-El, N., Shapiro, O., and Siboni, N. 2005. Gas vesicles isolated from *Halobacterium* cells by lysis in hypotonic solution are structurally weakened. *FEMS Microbiol. Lett.* 252: 337-341.
241. Sørensen, K.B., Canfield, D.E., Teske, A.P., and Oren, A. 2005. Community composition of a hypersaline endoevaporitic microbial mat. *Appl. Environ. Microbiol.* 71: 7352-7365.
242. Xu, X.-W., Liu, S.-J., Tohty, D., Oren, A., Wu, M. and Zhou, P.-J. 2005. *Haloterrigena saccharevitans* sp. nov., an extremely halophilic archaeon from Xin-Jiang, China. *Int. J. Syst. Evol. Microbiol.* 55: 2539-2542.
243. Oren, A., Gavrieli, I, Gavrieli, J., Kohen, M., Lati, J., and Aharoni, M. 2005. Long term biological simulation experiments of mixing of Dead Sea water with Red Sea water, and the effect of antiscalants on the biology of the Dead Sea. Report GSI/28/2005 - State of Israel, Ministry of National Infrastructures, Geological Survey of Israel, 43 pp.
244. Oren, A. 2005. Saltern crystallizer ponds as field laboratories for the study of extremely halophilic Archaea and Bacteria. In: Proceedings of the International Symposium on Extremophiles and their Applications, Tokyo, 2005, pp. 282-289. Online at: http://www.jstage.jst.go.jp/article/isea/2005/0/282/_pdf.
245. Oren, A. 2005. Salt production, salt trade and salt politics in Scandinavia in the first half of the 16th century as seen through the works of Olaus Magnus. *J. Salt History* 10/11: 7-20.
246. Volkmann, M., Gorbushina, A.A., Kedar, L., and Oren, A. 2006. The structure of euhalothecine-362, a novel red-shifted mycosporine-like amino acid, from a halophilic cyanobacterium (*Euhalotheca* sp.). *FEMS Microbiol. Lett.* 258: 50-54.
247. Oren, A., Priel, N., Shapiro, O., and Siboni, N. 2006. Buoyancy studies in natural communities of square gas-vacuolate archaea in saltern crystallizer ponds. *Saline Systems* 2: 4.
248. Ma'or, Z., Henis, T., Alon, Y., Orlov, E., Sørensen, K.B., and Oren, A. 2006. Antimicrobial action of Dead Sea black mineral mud. *Int. J. Dermatol.* 45: 504-511.
249. Rainey, F.A., and Oren, A. 2006. Extremophile microorganisms and the methods to handle them. pp. 1-25 In: Rainey, F.A., and Oren, A. (eds.), *Extremophiles - Methods in Microbiology* Vol. 35. Elsevier/Academic Press, Amsterdam.
250. Oren, A. 2006. Life at high salt concentrations. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), *The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry*. Vol. 2, pp. 263-282. Springer, New York.

251. Oren, A. 2006. The order Halobacteriales. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), *The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry*. Vol. 3, pp. 113-164. Springer, New York.
252. Oren, A. 2006. The order Haloanaerobiales. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), *The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry*. Vol. 4, pp. 804-817. Springer, New York.
253. Oren, A. 2006. The genera *Rhodothermus*, *Thermonema*, *Hymenobacter* and *Salinibacter*. In: Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K.-H., and Stackebrandt, E. (eds.), *The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry*. Vol. 7 pp. 712-740. Springer, New York.
254. Oren, A. 2006. Two and a half centuries of qualitative and quantitative chemical analyses of Dead Sea water. *Israel J. Chem.* 46: 69-77.
255. Alterman, W., Kazmierczak, J., Oren, A., and Wright, D.T. 2006. Cyanobacterial calcification and rock-building potential during 3.5 billion years of Earth history. *Geobiology* 4: 177-166.
256. Tindall, B.J., Kämpfer, P., Euzéby, J., and Oren, A. 2006. Valid publication of names of prokaryotes according to the rules of nomenclature: past history and current practice. *Int. J. Syst. Evol. Microbiol.* 56: 2715-2720.
257. Dyall-Smith, M., and Oren, A. 2006. Letter to the Editor. Culture-dependent study of microbial diversity of Lake Chaka. *Appl. Environ. Microbiol.* 72: 7427.
258. Oren, A. 2006. Prokaryotic life. In: Seckbach, J. (ed.), *Life as we know it*. Springer, Dordrecht, pp. 21-35.
259. Oren, A. 2006. Life in saline and hypersaline environments. In: Seckbach, J. (ed.), *Life as we know it*. Springer, Dordrecht, pp. 75-87.
260. Seckbach, J., Raulin, F., Oren, A., Kolb, V., and Chela-Flores, J. 2006. What do we call life? A brief outlook on life. In: Seckbach, J. (ed.), *Life as we know it*. Springer, Dordrecht, pp. 739-743.
261. Litchfield, C.D., Oren, A., Irby, A., Sikaroodi, M., and Gillivet, P. 2006. Temporal and salinity impacts on the microbial diversity at the Eilat, Israel, solar salt plant. In: Lekkas, T.D., and Korovessis, N.A. (eds.), *Proceedings of the First International Conference on the Ecological Importance of Solar Saltworks (CEISSA-2006)*, Santorini, Greece, pp. 72-81.
262. Oren, A. 2006. There is life in saline environments. Microorganisms at high salt concentrations: the biology of the Eilat salt ponds. *Chimia* 81: 39-40, 57 (in Hebrew).

263. Oren, A. 2006. The first motor ships on the Dead Sea – 1897-1914. Published electronically in: <http://maritime.co.il/articles.asp>
<http://www.maritime.co.il/db/uploads/DeadSeaBoat.pdf>.
(Currently no longer online; copies are available from the author)
264. Oren, A., Gavrieli, I., Gavrieli, J., Kohen, M., Lati, M., and Aharoni, M. 2006. Long-term field simulation of algal and archaeal blooms in the Dead Sea. pp. 47-62 in: I. Gavrieli et al., A multi-component chemistry-based model for the Dead Sea: modifications of the 1D Princeton oceanographic model. Report GSI/24/2006, State of Israel, Ministry of National Infrastructures, Geological Survey of Israel.
265. Ionescu, D., Lipski, A., Altendorf, K., and Oren, A. 2007. Characterization of the endoevaporitic microbial communities in a hypersaline gypsum crust by fatty acid analysis. *Hydrobiologia* 576: 15-26.
266. Elevi Bardavid, R., Ionescu, D., Oren, A., Rainey, F.A., Hollen, B.J., Bagaley, D.R., Small, A.M., and McKay, C.M. 2007. Selective enrichment, isolation and molecular detection of *Salinibacter* and related extremely halophilic *Bacteria* from hypersaline environments. *Hydrobiologia* 576: 3-13.
267. Oren, A., and Gunde-Cimerman, N. 2007. Mycosporines and mycosporine-like amino acids: UV protectants or multipurpose secondary metabolites? *FEMS Microbiol. Lett.* 269: 1-10.
268. Birbir, M., Calli, B., Mertoglu, B., Elevi Bardavid, R., Oren, A., Ogmen, M.N., and Ogan, A. 2007. Extremely halophilic Archaea from Tuz Lake, Turkey, and the adjacent Kaldirim and Kayacik salterns. *World J. Microbiol. Biotechnol.*, 23: 309-316.
269. Savage, K.N., Krumholz, L.R., Oren, A., and Elshahed, M.S. 2007. *Haladaptatus paucihalophilus* gen. nov., sp. nov., a halophilic archaeon isolated from a low-salt, high-sulfide spring. *Int. J. Syst. Evol. Microbiol.* 57: 19-24.
270. Xu, X.-W., Wu, Y.-H., Wang, C.-S., Oren, A., Zhou, P.-J., and Wu, M. 2007. *Haloferax larsenii* sp. nov., an extremely halophilic archaeon from a solar saltern. *Int. J. Syst. Evol. Microbiol.* 57: 717-720.
271. Cui, H.-L., Tohty, D., Liu, H.-C., Liu, S.-J., Oren, A., and Zhou, P.-J. 2007. *Natronorubrum sulfidifaciens* sp. nov., an extremely haloalkaliphilic archaeon isolated from Aiding salt lake in Xin-Jiang, China. *Int. J. Syst. Evol. Microbiol.* 57: 738-740.
272. Elevi Bardavid, R., Mana, L., and Oren, A. 2007. *Haloplanus natans* gen. nov., sp. nov., an extremely halophilic gas-vacuolate archaeon from Dead Sea – Red Sea water mixtures in experimental mesocosms. *Int. J. Syst. Evol. Microbiol.* 57: 780-783.

273. Oren, A. 2007. Anaerobes. In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd., www.els.net, doi: 10.1002/9780460015902.a0020369. Online from April 16, 2007.
274. Oren, A. 2007. Biodiversity in highly saline environments. pp. 223-231 In: C. Gerday and N. Glansdorff, Eds., Physiology and Biochemistry of Extremophiles. ASM Press, Washington, D.C.
275. Oren, A. 2007. Red Sea - Dead Sea and Red Sea - Mediterranean Sea connections: precursors of the 'Peace Conduit' and the Suez Canal on a map from 1664. Published electronically in:
<http://www.maritime.co.il/db/uploads/Oren%20A%20-%20Kircher.pdf>.
(Currently no longer online; copies are available from the author)
276. Oren, A. 2007. Oceanographic equipment in the middle of the 19th century: on the 1848 depth and temperature measurements in the Dead Sea by William Lynch. Published electronically in: <http://maritime.co.il/articles.asp>
<http://www.maritime.co.il/db/uploads/Lynch.pdf>.
(Currently no longer online; copies are available from the author)
277. Zhou, P., Wen, J., Oren, A., Chen, M., and Wu, M. 2007. Genomic survey of sequence features for UV tolerance in haloarchaea (family Halobacteriaceae). Genomics 90: 103-109.
278. Seckbach, J., and Oren, A. 2007. Oxygenic photosynthetic microorganisms in extreme environments, pp. 2-25 In: Seckbach, J. (ed.), Algae and cyanobacteria in extreme environments. Springer, Dordrecht.
279. Ionescu, D., Oren, A., Hindiyeh, M.Y., and Malkawi, H.I. 2007. The thermophilic cyanobacteria of the Zerka Ma'in thermal springs in Jordan, pp. 413-424 In: Seckbach, J. (ed.), Algae and cyanobacteria in extreme environments. Springer, Dordrecht.
280. Oren, A. 2007. Diversity of organic osmotic compounds and osmotic adaptation in cyanobacteria and algae, pp. 641-655 In: Seckbach, J. (ed.), Algae and cyanobacteria in extreme environments. Springer, Dordrecht.
281. Seckbach, J., Chapman, D.J., Garbary, D.J., Oren, A., and Reisser, W. 2007. Algae and cyanobacteria under environmental extremes: final comments, pp. 783-786 In: Seckbach, J. (ed.), Algae and cyanobacteria in extreme environments. Springer, Dordrecht.
282. Arahall, D.R., Vreeland, R.H., Litchfield, C.D., Mormile, M.R., Tindall, B.J., Oren, A., Bejar, V., Quesada, E., and Ventosa, A. 2007. Recommended minimal standards for describing new taxa of the family *Halomonadaceae*. Int. J. Syst. Evol. Microbiol. 57: 3436-2446.
283. Oren, A., Vreeland, R.H., and Ventosa, A. 2007. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of

- Halobacteriaceae* and Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the joint open meeting, 3 September 2007, Colchester, UK. Int. J. Syst. Evol. Microbiol. 57: 2975-2978
284. Oren, A. 2007. Een pelgrimstocht naar Jeruzalem anno 1602. Aleh (Uitgave van Irigoen Olei Holland) 65(2): 39-44 (in Dutch)
285. Elevi Bardavid, R., Khristo, P., and Oren, A. 2008. Interrelationships between *Dunaliella* and halophilic prokaryotes in saltern crystallizer ponds. Extremophiles 12: 5-14.
286. Elevi Bardavid, R., and Oren, A. 2008. Dihydroxyacetone metabolism in *Salinibacter ruber* and in *Haloquadratum walsbyi*. Extremophiles 12: 125-131.
287. Oren, A. 2008. The 1864 Dead Sea exploration cruise by the duc de Luynes and the first density profiles of the Dead Sea water column. Published electronically in: <http://maritime.co.il/articles.asp>
<http://www.maritime.co.il/db/uploads/duc%20de%20Luynes.pdf>.
(Currently no longer online; copies are available from the author)
288. Oren, A. 2008. Marine trade on the Dead Sea in the 12th century. Published electronically in: <http://maritime.co.il/articles.asp>
<http://www.maritime.co.il/db/uploads/12th%20Century-Boats%20on%20the%20Dead%20Sea.pdf>.
(Currently no longer online; copies are available from the author)
289. Elevi Bardavid, R., and Oren, A. 2008. Sensitivity of *Haloquadratum* and *Salinibacter* to antibiotics and other inhibitors: implications for the assessment of the contribution of Archaea and Bacteria to heterotrophic activities in hypersaline environments. FEMS Microbiol. Ecol. 63: 309-315.
290. Xu, X.-W., Wu, Y.-H., Wang, C.-S., Yang, J.-Y., Oren, A., and Wu, M. 2008. *Marinobacter pelagius* sp. nov., a moderately halophilic bacterium. Int. J. Syst. Evol. Microbiol. 58: 637-640.
291. Savage, K.N., Krumholz, L.R., Oren, A., and Elshahed, M.S. 2008. *Halosarcina pallida* gen. nov., sp. nov., a halophilic archaeon isolated from a low-salt, sulfide-rich spring. Int. J. Syst. Evol. Microbiol. 58: 856-860.
292. Oren, A. 2008. Microbial life at high salt concentrations: phylogenetic and metabolic diversity. Saline Systems 4:2
293. Cao, Y., Liao, L., Xu, X.-W., Oren, A., Wang, C., Zhu, X.-F., and Wu, M. 2008. Characterization of alcohol dehydrogenase from the haloalkaliphilic archaeon *Natronomonas pharaonis*. Extremophiles 12: 471-476.
294. Labeda, D.P., and Oren, A. 2008. International Committee on Systematics of Prokaryotes XIth International (IUMS) Congress of Bacteriology and Applied

- Microbiology. Minutes of the meetings, 23, 24, 26 and 28 July 2005, San Francisco, CA, USA. *Int. J. Syst. Evol. Microbiol.* 58: 1746-1752.
295. Oren, A. 2008. Biogeochemical cycles. *Encyclopedia of Life Sciences*, John Wiley & Sons, Ltd., www.els.net, DOI: 10.1002/9780470015902.a0000343.pub2, online posting date: July 15, 2008.
296. Oren, A. 2008. Prokaryote nomenclature. *Encyclopedia of Life Sciences*, John Wiley & Sons, Ltd., www.els.net, DOI: 10.1002/9780470015902.a0021150; online posting date: July 15, 2008.
297. Oren, A. 2008. Life at low water activity: halophilic microorganisms and their adaptations to life at high salt concentrations. *The Biochemist* 30 (4): 10-13.
298. Oren, A. 2008. Salt production, salt trade and salt politics in Scandinavia in the first half of the 16th century as seen through the works of Olaus Magnus. *El Alfolí* 2008 (2): 12-16 (part 1); part 2: *El Alfolí* 2008 (5): 4-9 (part 2).
299. Oren, A. 2008. Nomenclature and taxonomy of halophilic archaea – Comments on the proposal by DasSarma & DasSarma [*Saline Systems* 4 (2008), 5] for nomenclatural changes within the order Halobacteriales. *Int. J. Syst. Evol. Microbiol.* 58: 2245-2246.
300. Oren, A., and Ventosa, A. 2008. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the meetings, 7 August 2008, Istanbul, Turkey. *Int. J. Syst. Evol. Microbiol.* 58: 2465 - 2467
301. Oren, A. 2008. Metabolic diversity in prokaryotes and eukaryotes, pp. 41-77 In: Minelli, A., and Contrafatto, G. (eds.), *Biological Science. Fundamentals and Systematics*, Vol. 2. *Encyclopedia of Life Support Systems*, United Nations Educational, Scientific and Cultural Organization.
302. Oren, A. 2008. Diversity of form, function and adaptation in microorganisms, pp. 78-98 In: Minelli, A., and Contrafatto, G. (eds.), *Biological Science. Fundamentals and Systematics*, Vol. 2. *Encyclopedia of Life Support Systems*, United Nations Educational, Scientific and Cultural Organization.
303. Oren, A. 2008. Systematics of Archaea and Bacteria, pp. 164-188 In: Minelli, A., and Contrafatto, G. (eds.), *Biological Science. Fundamentals and Systematics*, Vol. 2. *Encyclopedia of Life Support Systems*, United Nations Educational, Scientific and Cultural Organization.
304. Cao, Y., Liao, L., Xu, X.-W., Oren, A., and Wu, M. 2008. Properties and regulation of the aldehyde dehydrogenase of the haloalkaliphilic archaeon *Natronomonas pharaonis*. *Extremophiles* 12: 849-854.

305. Wu, Y.-H., Wu, M., Wang, C.-S., Yang, J.-Y., Pan, J.-M., Oren, A., and Xu, X.-W. 2008. *Microbacterium profundum* sp. nov., isolated from deep-sea polymetallic nodule environments. *Int. J. Syst. Evol. Microbiol.* 58: 2930-2934.
306. Wang, Y., Wu, Y.-H., Wang, C.-S., Xu, X.-W., Oren, A., Zhu, X.-F., and Wu, M. 2008. *Halomonas salifodinae* sp. nov., a halophilic bacterium isolated from a salt mine in China. *Int. J. Syst. Evol. Microbiol.* 58: 2855-2858.
307. Oren, A. 2008. Life in the Dead Sea – past, present and future. In: Navon, O. (ed.), *Melakh Haaretz (Salt of the Earth) – a series for Dead Sea studies*, Vol. 3, pp. 71-85. The Hebrew University Magnes Press, Jerusalem.
308. Oren, A., Ionescu, D., Hindiyeh, M., and Malkawi, H. 2008. Microalgae and cyanobacteria of the Dead Sea and its surrounding springs. *Israel J. Plant Sci.* 56: 1-13.
309. Seckbach, J., Chela-Flores, J., Oren, A., and Raulin, F. 2009. Summary, final comments and conclusion. In: Seckbach, J. and Walsh, M. (eds.), *From fossils to astrobiology. Records of life on Earth and the search for extraterrestrial biosignatures*. pp. 515-520. Springer, Dordrecht.
310. Cui, H.-L., Zhou, P.-J., Oren, A., and Liu, S.-J. 2009. Intraspecific polymorphism of 16S rRNA genes in two halophilic archaeal genera, *Haloarcula* and *Halomicrobium*. *Extremophiles* 13: 31-37.
311. Oren, A., Arahal, D.R., and Ventosa, A. 2009. Emended descriptions of genera of the family *Halobacteriaceae*. *Int. J. Syst. Evol. Microbiol.* 59: 637-642.
312. Oren, A. 2009. Microbiological aspects of Eviatar Nevo's work: halophilic fungi, cyanobacteria, and bacterial speciation. In: Korol, A., and Wasser, S.P. (eds.), *The evolution of Eibi Nevo (in honor of this 80th birthday)*, pp. 88-90. Institute of Evolution, University of Haifa.
313. Oren, A., Sørensen, K.B., Canfield, D.E., Teske, A.P., Ionescu, D., Lipski A., and Altendorf, K. 2009. Microbial communities and processes within a hypersaline gypsum crust in a saltern evaporation pond (Eilat, Israel). *Hydrobiologia* 626: 15-26.
314. Oren, A., Naftz, D.L., and Wurtsbaugh, W.A. 2009. Saline lakes around the world: unique systems with unique values. Preface. pp. i-iii In: Oren, A., Naftz, D.L., Palacios, P., and Wurtsbaugh, W.A. (eds.), *Saline lakes around the world: unique systems with unique values*. The S.J. and Jessie E. Quinney Natural Resources Research Library, College of Natural Resources, Utah State University.
315. Bodaker, I., Béjà, O., Rosenberg, M., Oren, A., Hindiyeh, M.Y., and Malkawi, H.I. 2009. Archaeal diversity in the Dead Sea: microbial survival under increasingly harsh conditions. pp. 137-143 In: Oren, A., Naftz, D.L., Palacios, P., and Wurtsbaugh, W.A. (eds.), *Saline lakes around the world: unique systems*

with unique values. The S.J. and Jessie E. Quinney Natural Resources Research Library, College of Natural Resources, Utah State University.

316. Oren, A., Gavrieli, J., Kohen, M., Lati, J., Aharoni, M., and Gavrieli, I. 2009. Long-term mesocosm simulation of algal and archaeal blooms in the Dead Sea following dilution with Red Sea water. pp. 145-151 In: Oren, A., Naftz, D.L., Palacios, P., and Wurtsbaugh, W.A. (eds.), Saline lakes around the world: unique systems with unique values. The S.J. and Jessie E. Quinney Natural Resources Research Library, College of Natural Resources, Utah State University.
317. Oren, A. 2009. Microbial diversity and microbial abundance in salt-saturated brines: why are the waters of hypersaline lakes red? pp. 247-255 In: Oren, A., Naftz, D.L., Palacios, P., and Wurtsbaugh, W.A. (eds.), Saline lakes around the world: unique systems with unique values. The S.J. and Jessie E. Quinney Natural Resources Research Library, College of Natural Resources, Utah State University.
318. Oren, A., Baxter, B.K., and Weimer, B.C. 2009. Microbial communities in salt lakes: phylogenetic diversity, metabolic diversity, and *in situ* activities. pp. 257-263 In: Oren, A., Naftz, D.L., Palacios, P., and Wurtsbaugh, W.A. (eds.), Saline lakes around the world: unique systems with unique values. The S.J. and Jessie E. Quinney Natural Resources Research Library, College of Natural Resources, Utah State University.
319. Litchfield, C.D., Oren, A., Irby, A., Sikaroodi, M., and Gillevet, P.M. 2009. Temporal and salinity impacts on the microbial diversity at the Eilat, Israel Solar Salt Plant. Proceedings – Santorini (Korovessis, N., ed.). Global NEST J. 11: 86-90.
320. Oren, A., Bina, D., Ionescu, D., Prášil, O., Řeháková, K., Schumann, R., Sørensen, K., Warkentin, M., Woelfel, J., and Zapomělová, E. 2009. Saltern evaporation ponds as model systems for the study of microbial processes under hypersaline conditions – an interdisciplinary study of the salterns of Eilat, Israel, pp. 20-29 in: T.D. Lekkas and N.A. Korovessis (eds.), Proceedings of the 2nd Conference on the Ecological Importance of Solar Saltworks, Merida, Mexico.
321. Huo, Y.-Y., Xu, X.-W., Cao, Y., Wang, C.-S., Zhu, X.-F., Oren, A., and Wu, M. 2009. *Marinobacterium nitratreducens* sp. nov. and *Marinobacterium sediminicola* sp. nov., isolated from marine sediment. Int. J. Syst. Evol. Microbiol. 59: 1173-1178.
322. Lattanzio, V.M.T., Baronio, M., Oren, A., Russell, N.J., and Corcelli, A. 2009. Characterization of polar membrane lipids of the extremely halophilic bacterium *Salinibacter ruber* and possible role of cardiolipin. Biochim. Biophys. Acta 1791: 25-31.

323. Wu, Y.-H., Shen, Y.-Q., Xu, X.-W., Wang, C.-S., Oren, A., and Wu, M. 2009. *Pseudidiomarina donghaiensis* sp. nov. and *Pseudidiomarina maritima* sp. nov., isolated from the East China Sea. *Int. J. Syst. Evol. Microbiol.* 59: 1321-1325.
324. Oren, A. 2009. Order II. *Halanaerobiales* corrig. Rainey and Zhilina 1995a, 879^{VP} (Effective publication: Rainey, Zhilina, Boulygina, Stackebrandt, Tourova and Zavarzin 199b, 193.) In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, pp. 1191-1194. Springer, Dordrecht.
325. Oren, A. 2009. Family I. *Halanaerobiaceae* corrig. Oren, Paster and Woese 1984b, 503^{VP} (Effective publication: Oren, Paster and Woese, 1984a, 79.). In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, pp. 1195-1196. Springer, Dordrecht.
326. Oren, A. 2009. Genus I. *Halanaerobium* corrig. Zeikus, Hegge, Thompson, Phelps and Langworthy 1984, 503^{VP} (Effective publication: Zeikus, Hegge, Thompson, Phelps and Langworthy 1983, 232.), In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, pp. 1196-1201. Springer, Dordrecht.
327. Oren, A. 2009. Family II. *Halobacteroidaceae* Zhilina and Rainey 1995, 879^{VP} (Effective publication: Rainey, Zhilina, Boulygina, Stackebrandt, Tourova and Zavarzin 1995a, 193.). In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, pp. 1207-1208. Springer, Dordrecht.
328. Oren, A. 2009. Genus I. *Halobacteroides* Oren, Weisburg, Kessel and Woese 1984a, 355^{VP} (Effective publication: Oren, Weisburg, Kessel and Woese 1984b, 68). In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, pp. 1208-1209. Springer, Dordrecht.
329. Zhilina, T.N., Garnova, E.S., Tourova, T.P., Kostrikina, N.A., Zavarzin, G.A., and Oren, A. 2009. Genus IV. *Halonatronum* Zhilina, Garnova, Tourova, Kostrikina and Zavarzin 2001a, 263^{VP} (Effective publication: Zhilina, Garnova, Kostrikina and Zavarzin 2001b, 70.). In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, p. 1215. Springer, Dordrecht.
330. Oren, A., Oremland, R.S, and Stolz, J.F. 2009. Genus VII. *Selenihalanaerobacter* Switzer Blum, Stolz, Oren and Oremland 2001, 1229^{VP}

- (Effective publication: Switzer Blum, Stolz, Oren and Oremland 2001, 217.). In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, p. 1221. Springer, Dordrecht.
331. Oren, A. 2009. Genus VIII. *Sporohalobacter* Oren, Pohla and Stackebrandt 1988, 136^{VP} (Effective publication: Oren, Pohla and Stackebrandt 1987, 245.). In: De Vos, P., Garrity, G.M., Jones, D., Krieg, N.R., Ludwig, W., Rainey, F.A., Schleifer, K.-H., and Whitman, W.B. (eds.), *Bergey's Manual of Systematic Bacteriology*, 2nd. ed., vol. 3. The Firmicutes, pp. 1222-1224. Springer, Dordrecht.
332. Oren, A. 2009. On jeotgal, salty protozoa, and an encounter with schoolgirls at a Buddhist temple. In: 50 Years of MSK (at the occasion of the 50th anniversary of the Microbiological Society of Korea), pp. 286-287.
333. Oren, A. 2009. Commentary – Problems associated with the taxonomic validation of the cyanobacterial genus *Halothece* by Margheri *et al.* 2008, *Phycologia* 47: 477-486. *Phycologia* 48: 313-314.
334. Xu, X.-W., Wu, Y.-H., Wang, C.-S., Oren, A., and Wu, M. 2009. *Vibrio hangzhouensis* sp. nov., isolated from sediment of the East China Sea. *Int. J. Syst. Evol. Microbiol.* 59: 2100-2104.
335. Ionescu, D., Penno, S., Haimovich, M., Rihtman, B., Goodwin, A., Schwartz, D., Hazanov, L., Chernihovsky, M., Post, A.F., and Oren, A. 2009. Archaea in the Gulf of Aqaba. *FEMS Microbiol. Ecol.* 69: 425-438.
336. Xu, X.W., Wu, Y.-H., Wang, C.-S., Wang, X.-G., Oren, A., and Wu, M. 2009. *Croceicoccus marinus* gen. nov., sp. nov., a yellow-pigmented bacterium from deep-sea sediment, and emended description of the family *Erythrobacteraceae*. *Int. J. Syst. Evol. Microbiol.* 59: 2247-2253.
337. Oren, A. 2009. Saltern evaporation ponds as model systems for the study of primary production processes under hypersaline conditions. *Aquat. Microb. Ecol.* 56: 193-204.
338. Warkentin, M., Schumann, R., and Oren, A. 2009. Community respiration studies in saltern crystallizer ponds. *Aquat. Microb. Ecol.* 56: 255-261.
339. Sørensen, K., Řeháková, K., Zapomělová, E., and Oren, A. 2009. Distribution of benthic phototrophs, sulfate reducers, and methanogens in two adjacent salt ponds in Eilat, Israel. *Aquat. Microb. Ecol.* 56: 275-284.
340. Prášil, O., Bina, D., Medová, H., Řeháková, K., Zapomělová, E., Veselá, J., and Oren, A. 2009. Emission spectroscopy and kinetic fluorimetry studies of the phototrophic microbial communities along the salinity gradient in the solar saltern evaporation ponds of Eilat, Israel. *Aquat. Microb. Ecol.* 56: 285-296.

341. Woelfel, J., Sørensen, K., Warkentin, M., Forster, S., Oren, A., and Schumann, R. 2009. Oxygen evolution in a hypersaline crust: Photosynthesis quantification by *in situ* microelectrode profiling and planar optodes in incubation chambers. *Aquat. Microb. Ecol.* 56: 263-273.
342. Oren, A. 2009. The microbiology of saltern crystallizer ponds and salt quality – a search for the “missing link”. In: Zuoliang, S. (ed.), *Proceedings of the 9th International Symposium on Salt, Beijing, Vol. 2.* Gold Wall Press, Beijing, pp. 904-912.
343. Oren, A. 2009. E. Imre Friedmann – 1921-2007. *Algological Studies* 130: 13-16.
344. Ionescu, D., Oren, A., Levitan, O., Hindiyeh, M., Malkawi, H., and Berman-Frank, I. 2009. The cyanobacterial community of the Zerka Ma'in hot springs, Jordan: morphological and molecular diversity and nitrogen fixation. *Algological Studies* 130: 17-26.
345. Oren, A., Komárek, J., and Hoffmann, L. 2009. Nomenclature of the Cyanophyta/Cyanobacteria/Cyanoprokaryotes – what has happened since IAC Luxembourg? *Algological Studies* 130: 17-26.
346. Zhou, P., Xu, X.-W., Wu, M., Huang, W.-D., and Oren, A. 2009. Isolation and functional expression of the *bop* gene from *Halobiforma lacisalsi*. *Microbiol. Res.* 164: 553-559.
347. Vaisman, N., and Oren, A. 2009. *Salisaeta longa* gen. nov., sp. nov., a red halophilic member of the Bacteroidetes. *Int. J. Syst. Evol. Microbiol.* 59: 2571-2574.
348. Oren, A. 2009. Chemolithotrophy. In: *Encyclopedia of Life Sciences.* John Wiley & Sons, Ltd., Chichester, www.els.net. Online posting date: 15 September 2009; DOI: 10.1002/9780470015902.a0021153
349. Oren, A. 2009. Anaerobic respiration (version 2.0). In: *Encyclopedia of Life Sciences.* John Wiley & Sons, Ltd., Chichester, www.els.net. Online posting date: 15 September 2009; DOI: 10.1002/9780470015902.a0001414.pub2362.
350. Řeháková, K., Zapomělová, E., Prášil, O., Veselá, J., Medová, H., and Oren, A. 2009. Composition changes of phototrophic microbial communities along the salinity gradient in the solar saltern evaporation ponds of Eilat, Israel. *Hydrobiologia* 636: 77-88.
351. Sokoletsky, L.G., Oren, A., Stambler, N., and Iluz, D. 2009. Practical algorithms for remote-sensing retrieval of the water column constituents in the Israeli waters. *Proceedings of the V International Conference "Current Problems in Optics of Natural Waters"*, St. Petersburg, pp. 235-239.
352. Oren, A. 2009. Comments on the review paper on “Halophilic membrane lipids and pigments as chemotaxonomic marker in classification of

- Halobacteriaceae*”, by Anshuman Kena P. [Research Journal of BioTechnology 3(2): 57-63]. Res. J. BioTechnol. 4: 78-79.
353. Oren, A. 2009. Microbial diversity. Encyclopedia of Life Sciences, www.els.net. John Wiley & Sons, Ltd. Chichester, Published online: 15 December 2009.
354. Oren, A., Ionescu, D., Hindiyeh, M.Y., and Malkawi, H.I. 2009. Morphological, phylogenetic and physiological diversity of cyanobacteria in the hot springs of Zerka Ma'in, Jordan. In: Krupp, F., Musselman, J.L., Kotb, M.M.A., and Weidig, I. (eds.), Environment, Biodiversity and Conservation in the Middle East. Proceedings of the First Middle Eastern Biodiversity Congress, Aqaba, Jordan, 20-23 October 2008. BIORISK – Biodiversity and Ecosystem Risk Assessment 3: 69-82.
355. Oren, A., and Ventosa, A. 2009. *Halobacterium salinarum* strain MMD047 – a low-salt adapted member of the *Halobacteriaceae*? Letter to the Editor. Biotechnol. Bioprocess Engin. 14: 869-870.
356. Young, M., Artsatbanov, V., Beller, H.R., Chandra, G., Chater, K.F., Dover, L., Goh, E.B., Kahan, T., Kaprelyants, A.S., Kyrpides, N., Mahillon, J., Markowitz, V., Mukamolova, G.V., Oren, A., Rokem, S., Smith, M.C., and Greenblatt, C.L. 2010. Complete genome sequence of the Fleming strain of *Micrococcus luteus*, a simple free-living actinobacterium. J. Bacteriol. 192: 841-860.
357. Oren, A. 2010. Book review - Ben-Amotz, A., Polle, J. E. W. and Subba Rao, D. V. 2009. The alga *Dunaliella*. Biodiversity, Physiology, Genomics and Biotechnology, Science Publishers, Enfield, NH. J. Phycol. 46: 216-217.
358. Bodaker, I., Sharon, I., Suzuki, M.T., Reingersch, R., Shmoish, M., Andreishcheva, E., Sogin, M.L., Rosenberg, M., Belkin, S., Oren, A., and Béjà, O. 2010. Comparative community genomics in the Dead Sea: an increasingly extreme environment. ISME J. 4: 399-407.
359. Oren, A. 2010. Christian Gottfried Ehrenberg. In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd., Chichester, www.els.net, article A22517. DOI: 10.1002/9780470015902.a0022517. Article Online Posting Date: February 15, 2010.
360. Oren, A. 2010. Sergei Nikolaevitch Winogradsky. In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd., Chichester, www.els.net, DOI: 10.1002/9780470015902.a0022513. Article Online Posting Date: March 15, 2010.
361. Oren, A. 2010. Albert Jan Kluyver. In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd., Chichester, www.els.net, DOI: 10.1002/9780470015902.a0022514. Article Online Posting Date: March 15, 2010.

362. Oren, A. 2010. Cornelis Bernardus van Niel. In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd., Chichester, www.els.net, DOI: 10.1002/9780470015902.a0022515. Article Online Posting Date: March 15, 2010.
363. Oren, A. 2010. Roger Yate Stanier. In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd., Chichester, www.els.net. DOI: 10.1002/9780470015902.a0022516
Article Online Posting Date: March 15, 2010.
364. Oren, A. 2010. Acidophiles – Version 2.0. In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd., Chichester, www.els.net, DOI: 10.1002/9780470015902.a0000336.pub2, Article Online Posting Date: March 15, 2010.
365. Ionescu, D., Hindiyeh, M.I., Malkawi, H.I., and Oren, A. 2010. Cyanobacterial diversity in the hot springs of Zerka Ma'in (Jordan). FEMS Microbiol. Ecol. 72: 103-113.
366. Cui, H.-L., Sun, F.-F., Gao, X., Dong, Y., Xu, X.-W., Zhou, Y.-G., Liu, H.-C., Oren, A., and Zhou, P.-J. 2010. *Haladaptatus litoreus* sp. nov., an extremely halophilic archaeon from a marine solar saltern, and emended description of the genus *Haladaptatus*. Int. J. Syst. Evol. Microbiol. 60: 1085-1089.
367. Cui, H.-L., Gao X., Sun, F.-F., Dong, Y., Xu, X.-W., Zhou, Y.-G., Liu, H.-C., Oren, A., and Zhou, P.-J. 2010. *Halogramum rubrum* gen. nov., sp. nov., a halophilic archaeon isolated from a marine solar saltern in Jianguo, China. Int. J. Syst. Evol. Microbiol. 60: 1366-1371
368. Ionescu, D., Voss, B., Oren, A., Hess, W.R., and Muro Pastor, A. 2010. Heterocyst-specific transcription of NsiR1, a non-coding RNA encoded in a tandem array of direct repeats in cyanobacteria J. Mol. Biol. 398: 177-188.
369. Oren, A. 2010. Microbial systematics, pp. 81-120 In: L.K.P. Wang, V. Ivanov, J.-H. Tay, and Y.-T. Hung (eds.), Principles of Environmental Biotechnology and Bioengineering. Handbook of Environmental Engineering, Vol. 10, Humana Press - Springer, New York.
370. Oren, A. 2010. Microbial metabolism: importance for environmental biotechnology, pp. 193-255 In: L.K.P. Wang, V. Ivanov, J.-H. Tay, and Y.-T. Hung (eds.), Principles of Environmental Biotechnology and Bioengineering. Handbook of Environmental Engineering, Vol. 10. Humana Press - Springer, New York.
371. Baronio, M., Lattanzio, V.M.T., Vaisman, N., Oren, A., and Corcelli, A. 2010. The acylhalocapnines of halophilic bacteria: structural details of unusual sulfonate sphingoids. J. Lipid Res. 51: 1878-1885.

372. Oren, A. 2010. Industrial and environmental applications of halophilic microorganisms. *Environ. Technol.* 31: 825-834.
373. Oren, A., and Papke, R.T. 2010. From a 'protoplasmal primordial atomic globule' to a wealth of 'scientific names of beings animalculous', pp. vii-ix In: Oren, A., and Papke, R.T. (eds.) *Molecular phylogeny of microorganisms*. Caister Academic Press, Norfolk.
375. Oren, A. 2010. Concepts about phylogeny of microorganisms – an historical overview, pp. 1-21 In: Oren, A., and Papke, R.T. (eds.) *Molecular phylogeny of microorganisms*. Caister Academic Press, Norfolk.
375. Oren, A. 2010. The phyla of prokaryotes – cultured and uncultured, pp. 85-107 In: Oren, A., and Papke, R.T. (eds.) *Molecular phylogeny of microorganisms*. Caister Academic Press, Norfolk.
376. Seckbach, J., and Oren, A. 2010. Preface, pp. xv-xvi In: Seckbach, J., and Oren, A. (eds.), *Microbial mats. Modern and Ancient Microorganisms in Stratified Systems*. Springer, Dordrecht.
377. Oren, A. 2010. Paper from outer space – on 'meteorpapier' and microbial mats, pp. 29-38 In: Seckbach, J., and Oren, A. (eds.), *Microbial mats. Modern and Ancient Microorganisms in Stratified Systems*. Springer, Dordrecht.
378. Oren, A. 2010. Mats of filamentous and unicellular cyanobacteria in hypersaline environments, pp. 389-400 In: Seckbach, J., and Oren, A. (eds.), *Microbial mats. Modern and Ancient Microorganisms in Stratified Systems*. Springer, Dordrecht.
379. Seckbach, J, Eriksson, P.G., Walsh, M.M., Oren, A., and Chela-Flores, J. 2010. Summary and conclusions, pp. 585-590 In: Seckbach, J., and Oren, A. (eds.). *Microbial mats. Modern and Ancient Microorganisms in Stratified Systems*. Springer, Dordrecht.
380. Felis, G.E., Torriani, S., van Hylckama Vlieg, J.E.T., and Oren, A. 2010. Taxonomic characterization of prokaryotic microorganisms. In: Baltz, R., Demain, A., and Davies, J. (eds.), *Manual of industrial microbiology and biotechnology*, 3rd. ed. pp. 28-42. ASM Press, Washington, D.C.
381. Oren, A. 2010. The dying Dead Sea: the microbiology of an increasingly extreme environment. *Lakes & Reservoirs Research and Management* 15: 215-222.
382. Oren, A. Sokolov, S., Plotnikov, I.S., and Aladin, N.V. 2010. The Aral Sea and the Dead Sea: disparate lakes with a similar history. *Lakes & Reservoirs Research and Management* 15: 223-236.
383. Cui, H.-L., Gao, X., Li, X.-Y., Xu, X.-W., Zhou, Y.-G., Liu, H.-C., Oren, A., and Zhou, P.-J. 2010. *Halopelagius inordinatus* gen. nov., sp. nov., a new member

- of the family *Halobacteriaceae* isolated from a marine solar saltern. *Int. J. Syst. Evol. Microbiol.* 60: 2089-2093.
384. Oren, A., and Ventosa, A. 2010. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of *Halobacteriaceae* and Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the joint open meeting, 30 June 2010, Beijing, China. *Int. J. Syst. Evol. Microbiol.* 60: 2257-2259.
385. Oren, A. 2010. Archaea – Version 2.0. In: *Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd., Chichester, www.els.net (online posting date: 15 September 2010; DOI: 10.1002/9780470015902.a0000443.pub2).
386. Rhodes, M.E., Fitz-Gibbon, S., Oren, A., and House, C.H. 2010. Amino acid signatures of salinity on an environmental scale with a focus on the Dead Sea. *Environ. Microbiol.* 12: 2613-2623.
387. Ma, Y., Galinski, E.A., Grant, W.D., Oren, A., and Ventosa, A. 2010. Meeting Review. *Halophiles 2010: Life in Saline Environments*. *Appl. Environ. Microbiol.* 76: 6971-6981.
388. Oren, A. 2010. Helge Larsen (1922-2010). *Extremophiles* 14: 483-484.
389. Wu, X.Y., Shi, K.-L., Xu, X.-W., Wu, M., Oren, A., and Zhu, X.-F. (2010) *Alkaliphilus halophilus* gen. nov., sp. nov., a strictly anaerobic and halophilic bacterium isolated from a saline lake in China. *Int. J. Syst. Evol. Microbiol.* 60: 2898-2902.
390. Tkavc, R., Turk, M., Visscher, P., Gostinčar, C., Oren, A., and Gunde-Cimerman, N. 2010. Prokaryotic communities in microbial mat “petola” from Sečovlje salterns (Slovenia). *FEMS Microbiol. Ecol.* 75: 48-62.
391. Oren, A., and Komárek, J. 2010. Nomenclature of the Cyanobacteria/Cyanophyta – current problems and proposed solutions. Notes based on a roundtable discussion held on August 16, 2010 during the 18th Symposium of the International Association for Cyanophyte Research, České Budějovice, Czech Republic. *The Bulletin of BISMIS* 1: 25-33.
392. Oren, A. 2010. Thoughts on the “missing link” between saltworks biology and solat salt quality. *Global NEST J.* 12: 417-425.
393. Oren, A. 2011. Cyanobacterial systematics and nomenclature as featured in the *International Bulletin of Bacteriological Nomenclature and Taxonomy/ International Journal of Systematic Bacteriology / International Journal of Systematic and Evolutionary Microbiology*. *Int. J. Syst. Evol. Microbiol.* 61: 10-15.
394. Oren, A. 2011. Diversity of halophiles. In: Horikoshi, K. (eds), *Extremophiles Handbook*. Springer, Tokyo, pp. 309-325.

395. Oren, A. 2011. Ecology of halophiles. In: Horikoshi, K. (eds), *Extremophiles Handbook*. Springer, Tokyo, pp. 343-361.
396. Xu, X.-W., Huo, Y.-Y., Wang, C.-S., Bai, X.-D., Oren, A., Li, S.-Y., and Wu, M. 2011. *Kordiimonas lacus* sp. nov., isolated from a ballast water tank, and emended description of the genus *Kordiimonas*. *Int. J. Syst. Ecol. Microbiol.* 61: 422-426
397. Ventosa, A., Oren, A., and Ma, Y. 2011. Preface. In: Ventosa, A., Oren, A., and Ma, Y. (eds.), *Halophiles and hypersaline environments: Current research and future trends*, pp. v-ix. Springer, Berlin.
398. Oren, A., Ventosa, A., and Ma, Y. 2011. Helge Larsen (1922-2005) and his contributions to the study of halophilic microorganisms. In: Ventosa, A., Oren, A., and Ma, Y. (eds.), *Halophiles and hypersaline environments: Current research and future trends*, pp. 1-7. Springer, Berlin.
399. Oren, A. 2011. The halophilic world of Lourens Baas Becking. In: Ventosa, A., Oren, A., and Ma, Y. (eds.), *Halophiles and hypersaline environments: Current research and future trends*, pp. 9-25. Springer, Berlin.
400. Oren, A. 2011. A short history of the symposia on halophilic microorganisms: from Rehovot 1978 to Beijing 2010. In: Ventosa, A., Oren, A., and Ma, Y. (eds.), *Halophiles and hypersaline environments: Current research and future trends*, pp. 373-382. Springer, Berlin.
401. Oren, A. 2011. Stromatolites: the present as a key to the past. In: Tewari, V.C., and Seckbach, J. (eds.), *Stromatolites: Interaction of microbes with sediments*. pp. xi-xiii. Springer, Dordrecht.
402. Oren, A. 2011. Naming Cyanophyta/Cyanobacteria – a bacteriologist's view. *Fottea* 11: 9-16.
403. Oren, A. 2011. Anaerobes (version 2). In: *Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd., Chichester www.els.net, (online posting date: 15 June 2011; DOI: 10.1002/9780470015902.a0020369.pub2).
404. Rhodes, M., Spear, J., Oren, A., and House, C. 2011. Differences in lateral gene transfer in hypersaline versus thermal environments. *BMC Evolutionary Biology* 11: 199.
405. Tkavc, R., Ausec, L., Oren, A., and Gunde-Cimerman, N. 2011. Bacteria associated with *Artemia* spp. along the salinity gradient of the solar salterns at Eilat (Israel). *FEMS Microbiol. Ecol.*, 77:310-321.
406. Xu, X.-W., Huo, Y.-Y., Wang, C.-S., Oren, A., Cui, H.-L., Vedler, E., and Wu, M. 2011. *Pelagibacterium halotolerans* gen. nov., sp. nov. and *Pelagibacterium*

- luteolum* sp. nov., novel members of the family *Hyphomicrobiaceae*. *Int. J. Syst. Evol. Microbiol.* 61: 1817-1822.
407. Oren, A. 2011. *Interactive comment on “Increases in the abundance of microbial genes encoding halotolerance and photosynthesis along a sediment salinity gradient” by T.C. Jeffries et al.* *Biogeosciences Discuss.* 8: C2262-C2269.
408. Busse, H.-J., Labeda, D.P., Oren, A., and Tindall, B.J. 2011. The van Niel International Prize for Studies in Bacterial Systematics, awarded by the University of Queensland. Awarded in 2011 to George M. Garrity. *Int. J. Syst. Evol. Microbiol.* 61: 2328-2329.
409. Jehlicka, J., Vitek, P., Oren, A., and Edwards, H.G.M. 2011. Raman spectroscopic identification of evaporitic minerals and biomarkers using miniaturised portable devices. *Mineralogical Magazine* 75: 1107.
410. Oren, A. 2011. Halophilic microorganisms: modern and ancient, on Earth and in Space. *Mineralogical Magazine* 75: 1572.
411. Oren, A. 2011. Thermodynamic limits to microbial life at high salt concentrations. *Environ. Microbiol.* 13: 1908-1923.
412. Rainey, F.A., and Oren, A. 2011. Taxonomy of prokaryotes - Introduction. In: Rainey, F.A., and Oren, A. (eds.), *Taxonomy of prokaryotes - Methods in Microbiology Vol. 38*, pp. 1-5. Elsevier/Academic Press, Amsterdam.
413. Oren, A. 2011. Characterization of pigments of prokaryotes and their use in taxonomy and classification. In: Rainey, F.A., and Oren, A. (eds.). *Taxonomy of prokaryotes - Methods in Microbiology Vol. 38*, pp. 262-283. Elsevier/Academic Press, Amsterdam.
414. Oren, A. 2011. How to name new taxa of prokaryotes? In: Rainey, F.A., and Oren, A. (eds.). *Taxonomy of prokaryotes - Methods in Microbiology Vol. 38*, pp. 438-463. Elsevier/Academic Press, Amsterdam.
415. Garrity, G.M., Labeda, D.P., and Oren, A. 2011. Judicial Commission of the International Committee of Systematics of Prokaryotes. XIIth International (IUMS) Congress of Bacteriology and Applied Microbiology. *Int. J. Syst. Evol. Microbiol.* 61: 2775-2780.
416. Oren, A., and Labeda, D.P. 2011. International Committee on Systematics of Prokaryotes XIth International (IUMS) Congress of Bacteriology and Applied Microbiology. Minutes of the meetings, 3, 4, 5, and 7 August 2008, Istanbul, Turkey. *Int. J. Syst. Evol. Microbiol.* 61: 2781-2789.
417. Oren, A., and Ventosa, A. 2011. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Closed Meeting, 6 September 2011, Sapporo, Japan. *Int. J. Syst. Evol. Microbiol.* 61: 2790.

418. Aharal, A., Oren, A., and Ventosa, A. 2011. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of *Halobacteriaceae* and Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the joint open meeting, 6 September 2011, Sapporo, Japan. Int. J. Syst. Evol. Microbiol. 61: 2792-2795.
419. Oren, A. 2011. Cyanobacteria in the service of salt production: the petola mat of the salterns of Sečovlje, Slovenia. El Alfolí 10: 59-65.
420. Atanasova, N.S., Roine, E., Oren, A., Bamford, D.H., and Oksanen, H.M. 2012. Global network of specific virus-host interactions in hypersaline environments. Environ. Microbiol. 14: 426-440.
421. Oren, A., and Gunde-Cimerman, N. 2012. Fungal life in the Dead Sea. In: C. Raghukumar (Ed.), Biology of Marine Fungi, pp. 115-132. Springer, Berlin.
422. Oren, A. 2012. Diversity of anaerobic prokaryotes and eukaryotes – breaking long-established dogmas. In: Altenbach, A., Bernhard, J.M., and Seckbach, J., eds., Anoxia. Evidence for eukaryote survival and paleontological strategies, pp. 41-47. Springer, Dordrecht.
423. McGenity, T.J., and Oren, A. 2012. Hyperaline environments. In: Life at Extremes. Environments, Organisms and Strategies for Survival (E. M. Bell, ed.), pp. 402-437. CABI International, UK.
424. Oren, A. 2012. Taxonomy of *Halobacteriaceae*: a paradigm for changing concepts in prokaryote systematics. Int. J. Syst. Evol. Microbiol. 62: 263-271.
425. Oren, A. 2012. "There must be an acetogen somewhere". Commentary on the paper "Acetogenesis in the energy-starved deep biosphere – a paradox?" by Mark Alexander Lever (*Frontiers in Microbiology* 2, 284). *Frontiers in Microbiology* 3: 22.
426. Rhodes, M.E., Oren, A., and House, C.H. 2012. Dynamics and persistence of Dead Sea microbial populations as shown by high throughput sequencing of rRNA. Appl. Environ. Microbiol. 78: 2489-2492.
427. Andrei, A.-Ş., Banciu, H.L., and Oren, A. 2012. Living with salt: metabolic diversity in archaea inhabiting saline ecosystems. FEMS Microbiol. Lett. 330: 1-9.
428. Oren, A. 2012. Salts and brines. In: Whitton, B.A. (eds.), Ecology of cyanobacteria II. Their diversity in time and space. 2nd ed. Springer, Dordrecht, pp. 401-426.
429. Jehlička, J., Oren, A., and Vitek, P. 2012. Use of Raman spectroscopy for identification of compatible solutes in halophilic bacteria. Extremophiles 16: 507-514.

430. Elevi Bardavid, R., and Oren, A. 2012. The amino acid composition of proteins from anaerobic halophilic bacteria of the order Halanaerobiales. *Extremophiles*, 16: 567-572.
431. Ionescu, D., Siebert, C., Polerecky, L., Munwes, Y.Y., Lott, C., Häusler, S., Bižić-Ionescu, M., Quast, C., Peplies, J., Glöckner, F.O., Ramette, A., Rödiger, T., Dittmar, T., Oren, A., Geyer, S., Stärk, H.-J., Sauter, M., Licha, T., Laronne, J.B., and de Beer, D. 2012. Microbial and chemical characterization of submarine freshwater springs in the Dead Sea, harboring rich microbial communities. *PLoS One* 7: e38319.
432. Garrity, G.M., and Oren, A. 2012. Time for order in microbial systematics – Response to Simonetta Gribaldo and Céline Brochier-Armanet (*Trends in Microbiology* 20, 209-210). *Trends Microbiol.* 20: 353-354.
433. Oren, A. 2012. Obituary - Carol D. Litchfield (1936-2012). *SIL News* 60: 15-16.
434. Jehlička, J., Oren, A., and Edwards, H.G.M. 2012. Raman spectra of compatible osmotic solutes of halophiles. *J. Raman Spectrosc.* 43: 1134-1140.
435. Elevi Bardavid, R., and Oren, A. 2012. Acid-shifted isoelectric point profiles of the proteins in a hypersaline microbial mat – an adaptation to life at high salt concentrations? *Extremophiles* 16: 787-792.
436. Boss, E., Gildor, H., Slade, W., Sokoletsky, L., Oren, A., and Loftin, J. 2012. Optical properties of the Dead Sea water. *Ocean Optics 2012*, Glasgow (extended abstract, 18 pp.).
437. Oren, A. 2012. Editorial - A change of the guard at the IJSEM editorial board. *Int. J. Syst. Evol. Microbiol.* 62: 2557-2558.
438. Oren, A. 2012. Bacteria and Archaea, In: Lauren, M. (ed.), *Evolution of Phylogenetic Tree of Life*, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the Auspices of the UNESCO, Eolss Publishers, Oxford, UK, [<http://www.eolss.net>]
439. Bodaker, I., Suzuki, M.T., Oren, A., and Béjà, O. 2012. Dead Sea bacteriorhodopsin revisited. *Environ. Microbiol. Rep.* 4: 617-621.
440. Oren, A. 2012. Approaches toward the study of halophilic microorganisms in their natural environments: who are they and what are they doing? In: R.H. Vreeland (ed.), *Advances in the understanding of halophilic microorganisms*. pp. 1-33. Springer, Dordrecht.
441. Oren, A. 2012. Thoughts of a microbial ecologist appointed as Editor-in-Chief of the *International Journal of Systematic and Evolutionary Microbiology*. *Microbial Taxonomist* 6: 6-9.

442. Oren, A. 2013. Strategies for the isolation and cultivation of halophilic microorganisms. In: *Extremophiles: Sustainable Resources and Biotechnological Implications* (O. V. Singh, Ed.), pp. 75-94. Wiley-Blackwell, Chichester.
434. Oren, A. 2013. The function of gas vesicles in halophilic Archaea and Bacteria: theories and experimental evidence. *Life*, 2013, 3(1), 1-20; doi:10.3390/life3010001.
444. Garrity, G.M., and Oren, A. 2013. Response to Sutcliffe et al. A call to action for the International Committee on Systematics of Prokaryotes. *Trends Microbiol.* 21: 53-55.
445. Jehlička, J., Edwards, H.G.M., and Oren, A. 2013. Bacterioruberin and salinixanthin carotenoids of extremely halophilic Archaea and Bacteria: a Raman spectroscopic study. *Spectrochim. Acta A*, 106: 99-103.
446. Boss, E., Gildor, H., Slade, W., Sokoletsky, L., Oren, A. 2013. Optical properties of the Dead Sea. *J. Geophys. Res*, 118: 1-9, doi:10.1002/jgrc.20109, 2013.
447. Seckbach, J., Oren, A., and Stan-Lotter. 2013. Introduction, p. ix. In: *Polyextremophiles – Organisms living under multiple forms of stress*. Springer, Dordrecht, in press.
448. Oren, A. 2013. Two centuries of microbiological research in the Wadi Natrun, Egypt: a model system for the study of the ecology, physiology, and taxonomy of haloalkaliphilic microorganisms, pp. 103-119 In: Seckbach, J., Oren, A., and Stan-Lotter, H. (eds.), *Polyextremophiles – Organisms living under multiple forms of stress*. Springer, Dordrecht.
449. Oren, A. 2013. Life in magnesium and calcium-rich hypersaline environments: salt stress by chaotropic ions, pp. 217-232 In: Seckbach, J., Oren, A., and Stan-Lotter, H. (eds.), *Polyextremophiles – Organisms living under multiple forms of stress*. Springer, Dordrecht.
450. Oren, A. 2013. Life at high salt and low oxygen: how do the Halobacteriaceae cope with low oxygen concentrations in their environment?, pp. 533-548 In: Seckbach, J., Oren, A., and Stan-Lotter, H. (eds.), *Polyextremophiles – Organisms living under multiple forms of stress*. Springer, Dordrecht.
451. Oren, A. 2013. *Salinibacter*, an extremely halophilic bacterium with archaeal properties. *FEMS Microbiol. Letters* 342: 1-9.
452. Oren, A., Elevi Bardavid, R., Kandel, N., Aizenshtat, Z., and Jehlička, J. 2013. Glycine betaine is the main organic osmotic solute in a stratified microbial community in a hypersaline evaporitic gypsum crust. *Extremophiles* 17: 445-451.

453. Oren, A., and Garrity, G.M. 2013. Editorial. Retirement of Prof. Jean Paul Euzéby as List Editor. *Int. J. Syst. Evol. Microbiol.* 63: 2373.
454. Oren, A., and Ventosa, A. 2013. In Memoriam – Morris Kates (1923-2013). *Extremophiles* 17: 699-700.
455. Oren, A. 2013. Salt in the Talmud. *El Alfoli* 13: 4-16.
456. Oren, A., Garrity, G.M., and Schink, B. 2013. Proposal to change the name *Rhodoligotrophos* Fukuda *et al.* 2012, 1947 to *Rhodoligotrophus*. Request for an Opinion. *Int. J. Syst. Evol. Microbiol.* 63: 3545.
457. Oren, A., and Garrity, G.M. 2013. Validation List no. 153. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 63: 3131-3134.
458. Oren, A., and Ventosa, A. 2013. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of *Halobacteriaceae* and Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the joint open meeting, 24 June 2013, Storrs, Connecticut, USA. *Int. J. Syst. Evol. Microbiol.* 63: 3540-3544.
459. Jehlička, J., and Oren, A. 2013. Use of a handheld Raman spectrometer for fast screening of microbial pigments in cultures of halophilic microorganisms and in microbial communities in hypersaline environments in nature. *J. Raman Spectrosc.* 44: 1285-1291.
460. Wu, Y.-H., Yu, P.-S., Zhou, Y.-D., Xu, L., Wang, C.-S., Wu, M., Oren, A. and Xu, X.-W. 2013. *Muricauda antarctica* sp. nov., a marine member of the *Flavobacteriaceae* isolated from Antarctic seawater. *Int. J. Syst. Evol. Microbiol.* 63: 3451-3456.
461. Mareš, J., Komárek, J., Compère, P., and Oren, A. 2013. Validation of the generic name *Gloeobacter* Rippka *et al.* 1974, Cyanophyceae. *Cryptogamie, Algologie* 34: 255-262.
462. Oren, A., and Garrity, G.M. 2013. Notification that new names of prokaryotes and new combinations have appeared in volume 63, part 7, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 63: 3549–3550.
463. Huo, Y.-Y., Xu, L., Wang, C.-S., Yang, J.Y., You, H., Oren, A., and Xu, X.-W. 2013. *Fabibacter pacificus* sp. nov., a moderately halophilic bacterium isolated from seawater of the east Pacific Ocean. *Int. J. Syst. Evol. Microbiol.* 63: 3710-3714.
464. Mareš, J., Komárek, J., Compère, P., and Oren, A. 2013. Proposal to conserve the name *Gloeobacter violaceus* against *Aphanothece caldariorum*, *Gloeothece coerulea*, and *Gloeothece linearis* (Cyanophyceae). *Taxon* 62: 1055.

465. Jehlička, J., Osterrothová, K., Oren, A., and Edwards, H.G.M. 2013. Raman spectrometric discrimination of flexirubin pigments from two genera of *Bacteroidetes*. *FEMS Microbiol. Lett.* 348: 97-102.
466. Oren, A., and Garrity, G.M. 2013. Validation List no. 154. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 63: 3931-3934.
467. Oren, A., and Garrity, G.M. 2013. Notification that new names of prokaryotes and new combinations have appeared in volume 63, part 8, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 63: 3935-3936.
468. Xu, L., Xu, X.-W., Meng, F.-X., Huo, Y.Y., Oren, A., Yang, J.Y., and Wang, C.S. 2013. *Halomonas zincidurans* sp. nov., a heavy-metal-tolerant bacteria isolated from the deep-sea environment. *Int. J. Syst. Evol. Microbiol.* 63: 4230-4236.
469. The Publications Committee of the International Committee on Systematics of Prokaryotes - Büsse, H.-J., Garrity, G.M., Tindall, B.J., Oren, A., Kim, S.B., and Ventosa, A. 2013. Statutes of the International Committee on Systematics of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 63: 4361-4369.
470. Oren, A. 2013. Life at high salt concentrations, intracellular KCl concentrations, and acidic proteomes. *Frontiers in Microbiology* 4: 315.
471. Oren, A. 2013. Life at high salt concentrations. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), *The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry.* 4th ed. Springer, New York, pp. 421-440.
472. Oren, A., and Garrity, G.M. 2013. Notification that new names of prokaryotes and new combinations have appeared in volume 63, part 9, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 63: 4371-4373.
473. Wu, Y.-H., Meng, F.-X., Xu, L., Zhang, X.-Q., Wang, C.-S., Oren A., Wu, M., and Xu, X.-W. 2013. *Roseivivax pacificus* sp. nov., isolated from deep-sea sediment of the East Pacific Rise. *Int. J. Syst. Evol. Microbiol.* 63: 4574-4579.
473. Jehlička, J., and Oren, A. 2013. Raman spectroscopy in halophile research. *Frontiers in Microbiology* 4: 380.
475. Oren, A. 2014. Salt lakes, Metagenomics of. In: Nelson, K. (ed.), *Encyclopedia of Metagenomics.* Springer Science+Business Media, New York. DOI: 10.1007/978-1-4614-6418-1_42-6. 9 pp.
476. Oren, A. 2014. Life in the Dead Sea. In: N. Stambler (ed.), *The glory of the sea – stability and change in the aquatic systems of Israel*, pp. 495-507. The Israeli Association of Aquatic Studies (in Hebrew).

477. Oren, A., E Levi Bardavid, R., and Mana, L. 2014. Perchlorate and halophilic prokaryotes: implications for possible life on Mars. *Extremophiles* 18: 75-80.
478. Oren, A. 2014. Nomenclature of *Pandoravirus* species. *Microbe* 8: 1
479. Oren, A., and Garrity, G.M. 2014. Validation List no. 155. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 64: 1-5.
480. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 63, part 10, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 6-7.
481. Oren, A., and Garrity, G.M. 2014. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 19. *Int. J. Syst. Evol. Microbiol.* 64: 8-10; erratum: *Int. J. Syst. Evol. Microbiol.* 64: 2508.
482. Wu, Y.-H., Xu, L., Meng, F.-X., Zhang, D.-S., Wang, C.-S., Oren, A., and Xu, X.-W. 2014. *Altererythro bacter atlanticus* sp. nov., isolated from deep-sea sediment of the North Atlantic Rise. *Int. J. Syst. Evol. Microbiol.* 64: 115-121.
483. Oren, A. and Garrity, G.M. 2014. Proposal to change General Consideration 5 and Principle 2 of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 64: 309-310.
484. Zheng, M., Kong, F., and Oren, A. 2014. 12th International Conference on Salt Lake Research – July 14-18, Langfang City, China. *SIL News* 63: 15.
485. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 63, part 11, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 313-315.
486. Oren, A. 2014. Cyanobacteria: biology, ecology and evolution. In: Sharma, N.K., Rai, A.K., and Stal, L. (eds.), *Cyanobacteria: an economic perspective*. John Wiley & Sons, Chichester, pp. 3-20.
487. Oren, A., and Garrity, G.M. 2014. Validation List no. 156. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 64: 693-696.
488. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 63, part 12, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 697-699.
489. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 1, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 1075-1076

490. Oren, A., Garrity, G.M., and Schink, B. 2014. Proposal to modify Rule 6, Rule 10a, and Rule 12c of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 64: 1452-1453.
491. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 2, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 1459-1460.
492. Oren, A., and Garrity, G.M. 2014. Validation List no. 157. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 64: 1455-1458.
493. Jehlička, J., Edwards, H.G.M., Osterrothová, K., and Oren, A. 2014. Raman spectroscopy of microbial pigments. *Appl. Environ. Microbiol.* 80: 3286-3295.
494. Qin, Q.-L., Xie, B.B., Zhang, X.-Y., Chen, X.-L., Zhou, B.-C., Zhou, J., Oren, A., and Zhang, Y.-Z. 2014. A proposed genus boundary for the prokaryotes based on genomic insights. *J. Bacteriol.* 196: 2210-2215.
495. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 3, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64:1827-1829.
496. Baxter, B.K., Gunde-Cimerman, N., and Oren, A. 2014. Salty sisters: the women of halophiles. *Frontiers in Extreme Microbiology* 5: 192.
497. Papke, R.T., and Oren, A. 2014. Preface, pp. ix-xi in: Papke, R.T., and Oren, A. (eds.). 2014. *Halophiles: genetics and genomics*. Caister Academic Press, Norfolk.
498. Oren, A., Garrity, G.M. 2014. Then and now – A systematic review of the systematics of prokaryotes in the last 80 years. *Antonie van Leeuwenhoek* 106: 43-56.
499. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 4, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 2188-2190.
500. Oren, A., and Garrity, G.M. 2014. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 20. *Int. J. Syst. Evol. Microbiol.* 64: 2191-2192.
501. Oren, A., and Garrity, G.M. 2014. Validation List no. 158. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 64: 1455-1458.
502. Oren, A. 2014. Two and a half thousand years of navigation on the Dead Sea. *Acta Geologica Sinica* 88, suppl. 1, 432-433.

503. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 5, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 2509-2511.
504. Huo, Y.-Y., Li, Z.-Y., You, H., Wang, C.-S., Post, A.F., Oren, A. and Xu, X.-W. (2014) *Oceanicola antarcticus* sp. nov. and *Oceanicola flagellatus* sp. nov., moderately halophilic bacteria isolated from seawater. *Int. J. Syst. Evol. Microbiol.* 64: 2975-2979.
505. Oren, A., and Garrity, G.M. 2014. Validation List no. 159. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 64: 2927-2929.
506. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 6, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 2930-2931.
507. Oren, A. 2014. Taxonomy of halophilic Archaea: current status and future challenges. *Extremophiles* 18: 825-834.
508. Antranikian, G., Bonch-Osmolovskaya, E., Atomi, H., Oren, A., Adams, M.W. and Santos, H. 2014. Special Issue of *Extremophiles* – International Conference on *Extremophiles* – Editorial. *Extremophiles* 18: 789-790.
509. Oren, A. (2014). DNA as genetic material and as a nutrient in halophilic Archaea. *Frontiers Microbiol.* 5: 539.
510. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 7, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 3333-3334.
511. Oren, A. and Hallsworth, J.E. 2014. Microbial weeds in hypersaline habitats: the enigma of the weed-like *Haloferax mediterranei*. *FEMS Microbiol. Lett.* 359: 134-142.
512. Wu, Y., Cao, Y., Wang, C., Wu, M., Oren, A., and Xu, X. 2014. Microbial community structure and nitrogenase gene diversity of sediment from a deep-sea hydrothermal vent field on the Southwest Indian Ridge. *Acta Oceanologica Sinica* 33: 94-104.
513. Oren, A. 2014. Halophilic Archaea on Earth and in Space: growth and survival under extreme conditions. *Phil. Trans. R. Soc. A* 372: 20140194
514. Jehlička, J., Edwards, H.G.M., Osterrothová K., Novotná J, Nedbalová, L., Kopecký, V., Němec, I., and Oren, A. (2014). Potential and limits of Raman spectroscopy for carotenoid detection in microorganisms: implications for astrobiology . *Phil. Trans. R. Soc. A* 372: 20140199.

515. A. Culka, A., Osterrothová, K., Hutchinson, I., Ingley, R., Oren, A., Edwards, H.G.M. and Jehlička, J. 2014. Detection of pigments of halophilic endoliths from gypsum: Raman portable instrument and ESA's prototype analysis. *Phil. Trans. R. Soc. A* 372: 20140203.
516. Oren, A. 2014. Proposal to modify Rule 10a of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 64: 3919.
517. Oren, A., and Ventosa, A. 2014. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Closed Meeting, 31 July 2014, Montreal, Canada. *Int. J. Syst. Evol. Microbiol.* 64: 3913.
518. Oren, A., and Ventosa, A. 2014. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the Closed Meeting, 31 July 2014, Montreal, Canada. *Int. J. Syst. Evol. Microbiol.* 64: 3914.
519. Oren, A., and Ventosa, A. 2014. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of *Halobacteriaceae* and Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the joint open meeting, 31 July 2014, Montreal, Canada. *Int. J. Syst. Evol. Microbiol.* 64: 3915-3918.
520. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 8, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 3607-3609.
521. Oren, A., and Garrity, G.M. 2014. Validation List no. 160. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 64: 3603-3606.
522. Oren, A., and Garrity, G.M. 2014. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 9, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 64: 3923-3925.
523. Oren, A. 2014. The ecology of *Dunaliella* in high-salt environments. *J. Biol. Res. Thessaloniki* 2014, 21:23.
524. Oren, A., and Xu, X.-W. 2014. The family *Hyphomicrobiaceae*. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), Chapter 11 in *The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry*. 4th ed., Alphaproteobacteria and Betaproteobacteria, pp. 247-281. Springer-Verlag, Berlin Heidelberg.
525. Xu, X.-W., Wu, M., and Oren, A. 2014. The family *Kordiimonadaceae*. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), Chapter 14 in *The Prokaryotes. A handbook on the Biology of Bacteria:*

- Ecophysiology and Biochemistry. 4th ed., Alphaproteobacteria and Betaproteobacteria, pp. 309-312. Springer-Verlag, Berlin Heidelberg.
526. Oren, A. 2014. The family *Xanthobacteraceae*. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), Chapter 26 in The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Alphaproteobacteria and Betaproteobacteria, pp. 709-726. Springer-Verlag, Berlin Heidelberg.
527. Oren, A. 2014. The family *Rhodocyclaceae*. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), Chapter 36 in The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Alphaproteobacteria and Betaproteobacteria, pp. 975-998. Springer-Verlag, Berlin Heidelberg.
528. Oren, A. 2014. The family *Ectothiorhodospiraceae*. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), Chapter 12 in The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Gammaproteobacteria, pp. 199-223. Springer-Verlag, Berlin Heidelberg.
529. Oren, A. 2014. The order *Halanaerobiales*, and the families *Halanaerobiaceae* and *Halobacteroidaceae*. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), Chapter 12 in The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., The Firmicutes and Tenericutes, pp. 153-177. Springer-Verlag, Berlin Heidelberg.
530. Oren, A. 2014. The family *Natranaerobiaceae*. In: Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), Chapter 20 in The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., The Firmicutes and Tenericutes, pp. 261-266. Springer-Verlag, Berlin Heidelberg.
531. Oren, A. 2014. The family *Halobacteriaceae*. Chapter 7 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 41-121. Springer-Verlag, Berlin Heidelberg.
532. Oren, A. 2014. The family *Methanobacteriaceae*. Chapter 9 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 165-193. Springer-Verlag, Berlin Heidelberg.
533. Oren, A. 2014. The family *Methanocalculaceae*. Chapter 10 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and

- Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 195-199. Springer-Verlag, Berlin Heidelberg.
534. Oren, A. 2014. The family *Methanocaldococcaceae*. Chapter 11 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 201-208. Springer-Verlag, Berlin Heidelberg.
535. Oren, A. 2014. The family *Methanococcaceae*. Chapter 13 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 215-223. Springer-Verlag, Berlin Heidelberg.
536. Oren, A. 2014. The family *Methanocorpusculaceae*. Chapter 14 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 225-230. Springer-Verlag, Berlin Heidelberg.
537. Oren, A. 2014. The family *Methanomicrobiaceae*. Chapter 15 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 231-246. Springer-Verlag, Berlin Heidelberg.
538. Oren, A. 2014. The family *Methanopyraceae*. Chapter 16 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 247-252. Springer-Verlag, Berlin Heidelberg.
539. Oren, A. 2014. The family *Methanoregulaceae*. Chapter 17 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 253-258. Springer-Verlag, Berlin Heidelberg.
540. Oren, A. 2014. The family *Methanosarcinaceae*. Chapter 18 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 259-281. Springer-Verlag, Berlin Heidelberg.
541. Oren, A. 2014. The family *Methanospirillaceae*. Chapter 19 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and

- Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 283-290. Springer-Verlag, Berlin Heidelberg.
542. Oren, A. 2014. The family *Methanothermaceae*. Chapter 20 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 291-295. Springer-Verlag, Berlin Heidelberg.
543. Oren, A. 2014. The family *Methermicoccaceae*. Chapter 22 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 307-309. Springer-Verlag, Berlin Heidelberg.
544. Oren, A. 2014. The family *Methanotrichaceae*. Chapter 22 in Rosenberg, E., DeLong, E.F., Thompson, F., Lory, S., and Stackebrandt, E. (eds.), The Prokaryotes. A handbook on the Biology of Bacteria: Ecophysiology and Biochemistry. 4th ed., Other Major Lineages of the Bacteria and The Archaea, pp. 297-306. Springer-Verlag, Berlin Heidelberg.
545. Zajc, J., Džeroski, S., Kocev, D., Oren, A., Sonjak, S., Tkavc, R., and Gunde-Cimerman, N. 2014. Chaophilic or chaotolerant fungi: a new category of extremophiles? *Frontiers Microbiol.* 5: 708.
546. Zadeerev, E., and Oren, A. 2014. 12th International Conference on Salt Lake Research: summary and analysis. *SIL News* 65: 10-12.
547. Oren, A. 2015. Industrial applications of halophilic microorganisms. In: P. Grunwald (ed.), *Industrial biocatalysis*. Pan Stanford Publishing, Singapore, pp. 283-231.
548. Oren, A., and Garrity, G.M. 2015. Validation List no. 161. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 1-4.
549. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 10, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 5-6.
550. Oren, A., and Garrity, G.M. 2015. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 21. *Int. J. Syst. Evol. Microbiol.* 65: 7-10.
551. Oren, A. 2015. Halophilic microorganisms and adaptation to life at high salt concentrations – evolutionary aspects. In: C. Bakermans (ed.), *Microbial evolution under extreme conditions*, pp. 97-110. De Gruyter, Berlin.

552. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 63, part 11, of the IJSEM. Int. J. Syst. Evol. Microbiol. 65: 323-324.
553. Oren, A. 2015. Halophilic microbial communities and their environments. Curr. Opin. Biotechnol. 33: 119-124.
554. Xu, L., Huo, Y.-Y., Li, Z.-Y., Wang, C.-S., Oren, A. and Xu, X.-W. 2015. *Chryseobacterium profundimaris* sp. nov., a new member of the family *Flavobacteriaceae* isolated from deep-sea sediment. Antonie van Leeuwenhoek, 107: 979-989.
555. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 64, part 12, of the IJSEM. Int. J. Syst. Evol. Microbiol. 65: 739-740.
556. Oren, A., and Garrity, G.M. 2015. Validation List no. 162. List of new names and new combinations previously effectively, but not validly, published. Int. J. Syst. Evol. Microbiol. 65: 741-744.
557. Oren, A. 2015. Cyanobacteria in hypersaline environments; biodiversity and physiological properties. Biodivers. Conserv. 24: 781-798.
558. Oren, A. 2015. Comments on: "A polyphasic approach leading to the revision of the genus *Planktothrix* (Cyanobacteria) and its type species, *P. agardhii*, and proposal for integrating the emended valid botanical taxa, as well as three new species, *Planktothrix paucivesiculata* sp. nov.^{ICNP}, *Planktothrix tepida* sp. nov.^{ICNP}, and *Planktothrix sarta* sp. nov.^{ICNP}, as genus and species names with nomenclature standing under the ICNP, by V. Gaget, M. Welker, R. Rippka, and N. Tandeau de Marsac, Syst. Appl. Microbiol. (2015), <http://dx.doi.org/10.1016/j.syapm.2015.02.004>. Syst. Appl. Microbiol. 38: 159-160.
559. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 1, of the IJSEM. Int. J. Syst. Evol. Microbiol. 65: 1112-1113.
560. Oren, A., and Garrity, G.M. 2015. Validation List no. 163. List of new names and new combinations previously effectively, but not validly, published. Int. J. Syst. Evol. Microbiol. 65: 1105-1111.
561. Stevenson, A., Cray, J.A., Williams, J.P., Santos, R., Sahay, R., Neuenkirchen, N., McClure, C.D., Grant, I.R., Houghton, J.D.R., Quinn, J.P., Timson, D.J., Patil, S.V., Singhal, R.S., Antón, J.B., Dijksterhuis, J., Hocking, A.D., Lievens, B., Rangel, D.E.N., Voytek, M.A., Gunde-Cimerman, N., Oren, A., Timmis, T.J., McGenity, T.J., and Hallsworth, J.E. 2015. Is there a common water-activity limit for the three Domains of life? ISME J. 9: 1333-1351.

562. Oren, A., Mana, L., and Jehlička, J. 2015. Probing single cells of purple sulfur bacteria with Raman spectroscopy: carotenoids and elemental sulfur. *FEMS Microbiol. Lett.* 362 fnv021: DOI: <http://dx.doi.org/10.1093/femsle/fnv021>
563. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 2, of the *IJSEM*. *Int. J. Syst. Evol. Microbiol.* 65: 1397-1399.
564. Jehlička, J. Edwards, H.G.M., Němec, I., Oren, A. 2015. Raman spectroscopic study of the *Chromobacterium violaceum* pigment violacein using multiwavelength excitation and DFT calculations. *Spectrochim. Acta A.* 151: 459-467.
565. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 3, of the *IJSEM*. *Int. J. Syst. Evol. Microbiol.* 65: 1701-1702.
566. Oren, A., Garrity, G.M. 2015. The correct name of the type species of the genus *Methanocorpusculum*. Request for an opinion. *Int. J. Syst. Evol. Microbiol.* 65: 2013-2014.
567. Oren, A. 2015. Anammox revisited: Thermodynamic considerations in early studies of the microbial nitrogen cycle. *FEMS Microbiol. Lett.*, doi: [10.1093/femsle/fnv114](https://doi.org/10.1093/femsle/fnv114).
568. Oren, A., and Garrity, G.M. 2015. Notification of changes in taxonomic opinion previously published outside the *IJSEM*. List of changes in taxonomic opinion no. 22. *Int. J. Syst. Evol. Microbiol.* 65: 2028-2029.
569. Oren, A., and Garrity, G.M. 2015. Proposal to modify Rule 27 of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 65: 2342.
570. Oren, A., and Garrity, G.M. 2015. Validation List no. 164. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 65: 2017-2025.
571. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 4, of the *IJSEM*. *Int. J. Syst. Evol. Microbiol.* 65: 2026-2027.
572. Oren, A. 2015. Pyruvate: a key nutrient in hypersaline environments? *Microorganisms* 3: 407-416.
573. Oren, A. 2015. Comments on "Taxonomy of cyanobacteria: a contribution to consensus approach", by K. A. Palinska and W. Surosz (*Hydrobiologia* 740: 1-11, 2014). *Hydrobiologia* 758: 1-2.

574. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 5, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 65: 2343-2344.
575. Oren, A. 2015. Teaching microbiology to undergraduate students in the humanities and the social sciences. *FEMS Microbiol. Lett.* 362: fnv162.
576. Oren, A., and Garrity, G.M. 2015. Validation List no. 165. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 65: 2777-2783.
577. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 6, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 65: 2784-2785.
578. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 7, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 65: 3233-3234.
579. Wu, Y.-H., Xu, L., Zhou, P., Wang, C.-S., Oren, A., Xu, X.-W. 2015. *Brevirhabdus pacifica* gen. nov., sp. nov., isolated from deep-sea sediment in a hydrothermal vent field. *Int. J. Syst. Evol. Microbiol.* 65: 3645-3651.
580. Shadrin, N., Zheng, M. and Oren, A. 2015. Past, present and future of saline lakes: Research for global sustainable development. *Chinese J. Oceanol. Limnol.* 33: 1349-1353.
581. Namsaraev, Z., Shadrin, N., Zheng, M. and Oren, A. 2015. Obituary – Prof. Bair Namsaraev- 1943-2013. *Chinese J. Oceanol. Limnol.* 33: 1353.
582. Oren, A. 2015. Limnological instrumentation in the middle of the 19th century: the first temperature and density profiles measured in the Dead Sea. *Chinese J. Oceanol. Limnol.* 33: 1496-1504.
583. Oren, A., da Costa, M., Garrity, G.M., Rainey, F.A., Rosselló-Móra, R., Schink, B., Sutcliffe, I., Trujillo, M. and Whitman, W.B. 2015. Proposal to include the rank of phylum in the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 65: 4284-4287.
584. Oren, A. 2015. 16S rRNA, 18S rRNA, 70S and 80S ribosomes: What does the “S” stand for? *Microbe (ASM)* 10: 450-451.
585. Oren, A., and Garrity, G.M. 2015. Validation List no. 166. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 65: 3767-3771. Corrigendum: *Int. J. Syst. Evol. Microbiol.* 66: 4916,

586. Oren, A., Garrity, G.M., and Schink, B. 2015. Proposal to change Recommendation 12c of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 65: 4288.
587. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 8, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 65: 3768-3770.
588. Oren, A., Schink, B. and Garrity, G.M. 2015. Wanted: Microbiologists with basic knowledge of Latin and Greek to join our 'nomenclature quality control' team. *Int. J. Syst. Evol. Microbiol.* 65: 3761-3762.
589. Oren, A. 2015. Editorial. On the occasion of the 70th anniversary of the Society for General Microbiology. *Int. J. Syst. Evol. Microbiol.* 65: 4291-4293.
590. Oren, A., and Garrity, G.M. 2015. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 9, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 65: 4294-4296.
591. Oren A. 2016. Life in high-salinity environments, p 4.3.2-1-4.3.2-13. In Yates, M., Nakatsu, C., Miller, R., and Pillai, S. (eds.), *Manual of Environmental Microbiology*, Fourth Edition. ASM Press, Washington, DC. doi: 10.1128/9781555818821.ch4.3.2.
592. Oren, A., Abu-Ghosh, S., Argov, T., Kara-Ivanov, E., Shitrit, D., Volpert, A., and Horwitz, R. 2016. Expression and functioning of retinal-based proton pumps in a saltern crystallizer brine. *Extremophiles* 20: 69-77.
593. Zhang, Y.-Z., Qin, Q.-L., Xie, B.-B., Yao, Q.-Q., Li, Y., Zhang, X.-Y., Chen, X.-L., Zhou, B.-C., Zhou, J., and Oren, A. 2016. Nascent genomic evolution and allopatric speciation of *Myroides profundus* in its translocation from land to ocean. *mBio* 7: e01946-15.
594. Oren, A., and Garrity, G.M. 2016. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 23. *Int. J. Syst. Evol. Microbiol.* 66: 7-8.
595. Oren, A., and Garrity, G.M. 2016. Validation List no. 167. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 66: 1-3.
596. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 10, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 4-6.
597. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 11, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 527-529.

598. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 65, part 12, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 1600-1602.
599. Oren, A., and Garrity, G.M. 2016. Validation List no. 168. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 66: 1603-1606.
600. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 1, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 1607-1611.
601. Wu, Y.-H., Zhou, P., Jia, S.-L., Liu, Z.-S., Wang, C.-S., Oren, A., and Xu, X.-W. 2016. *Pontibacter amylolyticus* sp. nov., isolated from a deep-sea sediment hydrothermal vent field on the Southwest Indian Ridge. *Int. J. Syst. Evol. Microbiol.* 66: 1760-1767.
602. Oren, A., and Garrity, G.M. 2016. Validation List no. 169. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 66: 1913-1915; Erratum: *Int. J. Syst. Evol. Microbiol.* 66: 2456-2458.
603. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 2, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 1916-1919; Erratum: *Int. J. Syst. Evol. Microbiol.* 66: 2455.
604. Oren, A. 2016. Life in hypersaline environments. In: C.J. Hurst (ed.). *Their world: A diversity of microbial environments*, *Advances in Environmental Microbiology*, Vol. 1. Springer International Publishing, Switzerland, pp. 301-339.
605. Oren, A. 2016. Hans Georg Trüper (1936-2016) and his contributions to halophile research. *Life* 6: 19.
606. Oren, A. 2016. The 7th National Conference of Microbial Resources & The International Symposium on Microbial Systematics and Taxonomy: comments and conclusions. *Microbiology China* 43: 895-898.
607. Jian, S.-L., Wu, Y.-H., Maripatay, Tothy, D., Oren, A. and Xu, X.-W. 2016. *Celeribacter ethanolicus* sp. nov., isolated from seawater of the South China Sea. *Microbiology China* 43: 907-916.
608. Oren, A. 2016. Probing saltern brines with an oxygen electrode: what can we learn about the community metabolism in hypersaline systems? *Life* 6: 23.
609. Voica, D. M., Bartha, L., Banciu, H. L. and Oren, A. 2016. Heavy metal resistance in halophilic *Bacteria* and *Archaea* – an overview. *FEMS Microbiol. Lett.* 363: fmv146.

610. Oren, A. 2016. "Halosarcina" in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01353. Published 29th June 2016.
611. Oren, A. 2016. "Haladaptatus". In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01330. Published 29th June 2016.
612. Oren, A. 2016. "Halohasta". In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01330. Published 29th June 2016.
613. Oren, A. 2016. "Haloplanus" in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01347. Published 29th June 2016.
614. Oren, A. 2016. "Halomicrobium" In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01330. Published 29th June 2016.
615. Oren, A. 2016. "Halonotius" in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01343. Published 29th June 2016.
616. Xu, X.-W., Oren, A. 2016. "Halobiforma" in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01343. Published 29th June 2016.
617. Cui, H.-L., Xu, X.-W., and Oren, A. 2016. "Halopelagius" in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01343. Published 29th June 2016.
618. Cui, H.-L., Xu, X.-W., and Oren, A. 2016. "Halogramum" in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm01343. Published 29th June 2016.
619. Oren, A. 2016. In memoriam - Hans Georg Trüper (1936–2016). *Int. J. Syst. Evol. Microbiol.* 66: 2125.
620. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 3, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 2126-2128. Corrigendum: *Int. J. Syst. Evol. Microbiol.* 66: 4915.

621. Oren, A., Vandamme, P., and Schink, B. 2016. Notes on the use of Greek roots in the genus and species names of prokaryotes. *Int. J. Syst. Evol. Microbiol.* 66: 2129-2140.
622. Oren, A., and Schink, B. 2016. Formation of names of genera of prokaryotes that end on *-oides* or *-opsis*: A proposal for addenda to Rule 65(2) and to Appendix 9 of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 66: 2452-2453.
623. Jehlička, J., Němec, I., Varnali, T., Culka, A., Svatoš, A., Frank, O., Oren, A., and Edwards, H.G.M. 2016. The pink pigment prodigiosin: vibrational spectroscopy and DFT calculations. *Dyes and Pigments* 14: 234-243.
624. Oren, A., and Garrity, G.M. 2016. Validation List no. 170. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 66: 2463-2466.
625. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 4, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 2457-2458.
626. Oren, A., and Garrity, G.M. 2016. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 24. *Int. J. Syst. Evol. Microbiol.* 66: 2459-2460.
627. Ram-Mohan, N., Oren, A., and Papke, R.T. 2016. Analysis of the bacteriorhodopsin-producing haloarchaea reveals a core community that is stable over time in the salt crystallizers of Eilat, Israel/ *Extremophiles* 20: 747-757.
628. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 5, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 2767-2768.
629. Oren, A., and Garrity, G.M. 2016. Validation List no. 171. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 66: 3761-3764.
630. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 6, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 3765-3767.
631. Oren, A., and Garrity, G.M. 2016. The status of the *Notes* in the International Code of Nomenclature of Prokaryotes: Proposal to emend General Consideration 6. *Int. J. Syst. Evol. Microbiol.* 66: 3305-3306.
632. Oren, A., and Garrity, G.M. 2016. Proposal to modify the Note to Rule 61 of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 66: 3307-3309.

633. Oren, A., and Ventosa, A. 2016. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halobacteriaceae*. Minutes of the Closed Meeting, 24 May 2016, San Juan, Puerto Rico, USA. *Int. J. Syst. Evol.* 66: 4289.
634. Oren, A., and Ventosa, A. 2016. International Committee on Systematic Bacteriology. Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the Closed Meeting, 24 May 2016, San Juan, Puerto Rico, USA. *Int. J. Syst. Evol.* 66: 4290
635. Oren, A., and Ventosa, A. 2016. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of *Halobacteriaceae* and Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the joint open meeting, 24 May 2016, San Juan, Puerto Rico, USA. *Int. J. Syst. Evol.* 4291-4295.
636. Oren, A., Garrity, G. M., and Parte, A. 2016. Implementation of Rule 8 of the International Code of Nomenclature of Prokaryotes for the renaming of classes; Request for an Opinion. *Int. J. Syst. Evol. Microbiol.* 66: 4296-4298.
637. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 7, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 3759-3770.
638. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 8, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 4306-4309.
639. Oren, A., and Garrity, G.M. 2016. Validation List no. 172. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 66: 4299-4305.
640. Oren, A. 2016. Reclassification of *Halomonas caseinilytica* Wu et al. 2008 as a later synonym of *Halomonas sinaiensis* – Comments on the proposal by Hwang et al., *Antonie van Leeuwenhoek* 109:1345-1352, 2016. *Antonie van Leeuwenhoek* 110: 171.
641. Oren, A., and Garrity, G.M. 2016. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 9, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 66: 4921-4923.
642. Zhang, L. -L. and Oren, A. 2016. gmb01359. *Natribaculum*. In Whitman, W.B. (ed.), *Bergey's Manual of Systematics of Archaea and Bacteria*. Wiley.
643. Oren, A., and Garrity, G.M. 2017. Validation List no. 173. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 67: 1-3.

644. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 10, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 4-6.
645. Oren, A., and Garrity, G.M. 2017. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 25. *Int. J. Syst. Evol. Microbiol.* 67: 7-8.
646. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 11, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 179-182.
647. Oren, A. 2017. Glycerol metabolism in hypersaline environments. *Environ. Microbiol.* 18: 851-863.
648. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 66, part 12, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 525-528.
649. Oren, A., and Garrity, G.M. 2017. Validation List no. 174. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 67: 529-531.
650. Oren, A. 2017. Proposal to modify Rule 12c of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 67: 761-762.
651. Oren, A. 2017. Why isn't *Haloferax mediterranei* more "weed-like"? Commentary on "Microbial weeds in hypersaline habitats: the enigma of the weed-like *Haloferax mediterranei*" by Aharon Oren and John E. Hallsworth, *FEMS Microbiol. Lett.* 359: 134-142, 2014. *FEMS Microbiol. Lett.* 364, 2017, fnx070.
652. Oren, A. 2017. Physiology and biochemistry of halophilic microorganisms. In: M. Zheng, T. Deng, and A. Oren (eds), *Introduction to salt lake science*. Science Press, Beijing. pp. 130-138.
653. Oren, A. 2017. Microbiology of hypersaline environments. In: M. Zheng, T. Deng, and A. Oren (eds), *Introduction to salt lake science*. Science Press, Beijing. pp. 121-129.
654. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 1, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 765-766.
655. Oren, A., Garrity, G.M., Schink, B. and Ventura, S. 2017. 'Localimania' revisited: guidelines for the formation of specific epithets for names of prokaryotes based on names of institutions or their acronyms. A proposal for emendation of Appendix 9 to the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 67: 1618-1619.

656. Oren, A., and Garrity, G.M. 2017. Validation List no. 175. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 67: 1095-1098.
657. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 2, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 1099-1101.
658. Oren, A. 2017. A plea for linguistic accuracy – also for *Candidatus* taxa. *Int. J. Syst. Evol. Microbiol.* 67: 1085-1094.
659. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 3, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 1621-1622.
660. Sorokin, D.Y., Yakimov, M.M., Kublanov, I.V., and Oren, A. 2017. *Halanaeroarchaeum*. In Whitman, W.B. (ed.), *Bergey's Manual of Systematics of Archaea and Bacteria*. Wiley.
661. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 4, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 2079-2080
662. Oren, A., and Garrity, G.M. 2017. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 26. *Int. J. Syst. Evol. Microbiol.* 67: 2081-2086.
663. Oren, A., and Garrity, G.M. 2017. Validation List no. 176. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 67: 2075-2078.
664. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 5, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 2495-2498.
665. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 6, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 3137-3139.
666. Oren, A., and Garrity, G.M. 2017. Validation List no. 177. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 67: 3140-3143.
667. Oren, A. 2017. Proposal to modify Rule 10a and to delete Recommendation 10a(3) from the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 67: 3683-3684.

668. Boden, R., Oren, A. 2017. Proposal to designate *Methylothermus subterraneus* Hirayama *et al.* 2011 as the type species of the genus *Methylothermus*. Request for an Opinion. *Int. J. Syst. Evol. Microbiol.* 67: 3685.
669. Oren, A. 2017. Proposal to correct the generic name *Flaviaestuariibacter* Kang, Chun, Seo, Kim and Jahng 2015, 2212 to *Flavaestuariibacter*. Request for an Opinion. *Int. J. Syst. Evol. Microbiol.* 67: 3686.
670. Oren, A. 2017. Proposal to designate the order *Actinomycetales* Buchanan 1917, 162 (Approved Lists 1980) as the nomenclatural type of the class *Actinobacteria*. Request for an Opinion. *Int. J. Syst. Evol. Microbiol.* 67: 3687-3688.
671. Oren, A. 2017. Aerobic hydrocarbon-degrading Archaea. In: *Taxonomy, Genomics and Ecophysiology of Hydrocarbon Degrading Microbes, Handbook of Hydrocarbon and Lipid Microbiology*, ed. T.J. McGenity. Springer, https://doi.org/10.1007/978-3-319-60053-6_5-1.
672. Oren, A., and Ventura, S. 2017. The current status of cyanobacterial nomenclature under the “prokaryotic” and the “botanical” code. *Antonie van Leeuwenhoek* 110: 1257-1269.
673. Oren, A., and Ventosa, A., 2017. *Haloferacaceae*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.fbm00291. Published 15 Sept. 2017.
674. Oren, A., Ventosa, A., and Kamekura, M. 2017. *Halobacteria*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.cbm00026.pub2. Published 15 Sept. 2017.
675. Oren, A., and Ventosa, A., 2017. *Halococcaceae*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.fbm00295. Published 15 Sept. 2017.
676. Oren, A., and Ventosa, A., 2017. *Halorubraceae*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.fbm00294. Published 15 Sept. 2017.
677. Oren, A., and Ventosa, A., 2017. *Natrialbaceae*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.fbm00292. Published 15 Sept. 2017.
678. Oren, A., and Ventosa, A. 2017. *Halobacterium*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm00482. Published 15 Sept. 2017.
679. Oren, A., Ventosa, A., and Kamekura, M. 2017. *Halobacteriaceae*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John

- Wiley: Chichester. DOI: 10.1002/9781118960608.fbm00096.pub2. Published 15 Sept. 2017.
680. Oren, A., Ventosa, A., and Kamekura, M. 2017. *Halobacteriales*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.obm00048.pub2. Published 15 Sept. 2017.
681. Oren, A., and Ventosa, A., 2017. *Natrialbales*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.obm00134. Published 15 Sept. 2017.
682. Oren, A., and Ventosa, A., 2017. *Haloarculaceae*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.fbm00293. Published 15 Sept. 2017.
683. Oren, A. 2017. *Halobaculum*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm00483.pub2. Published 15 Sept. 2017.
684. Oren, A. 2017. *Halococcus*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.gbm00484.pub2. Published 15 Sept. 2017.
685. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 7, of the IJSEM. *Int. J. Syst. Evol. Microbiol.*, 67: 3689-3691.
686. Oren, A., Arahall, D.A., and Ventosa, A. 2017. International Committee on Systematics of Prokaryotes. Subcommittee on the Taxonomy of *Halobacteria* and Subcommittee on the Taxonomy of *Halomonadaceae*. Minutes of the joint open meeting, 11 July 2017, Valencia, Spain. *Int. J. Syst. Evol. Microbiol.* 67: 4279-4283.
687. Oren, A. 2017. Correction of the name *Amycolatopsis albidoflavus* to *Amycolatopsis albidiflava*. Request for an opinion. *Int. J. Syst. Evol. Microbiol.* 67: 4284.
688. Oren, A. 2017. On names of genera of prokaryotes that are later homonyms of generic names with standing in the zoological or the botanical nomenclature. Proposal of *Neomegalonema* gen. nov. and *Neomegalonema perideroedes* comb. nov. as replacements for the prokaryotic generic name *Meganema* and the species name *Meganema perideroedes*. *Int. J. Syst. Evol. Microbiol.* 67: 4276-4278.
689. Oren, A., and Garrity, G.M. 2017. Validation List no. 178. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 67: 4291-4293.

690. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 8, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 4294-4297.
691. Oren, A., and Garrity, G.M. 2017. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 9, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 67: 4881-4883.
692. Oren, A., and Ventosa, A., 2017. *Haloferacales*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester. DOI: 10.1002/9781118960608.obm00133.
693. Oren, A., and Garrity, G.M. 2018. Validation List no. 179. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 68: 1-2.
694. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 10, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 3-6
695. Oren, A., and Garrity, G.M. 2018. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 27. *Int. J. Syst. Evol. Microbiol.* 68: 7-8.
696. Chun, J., Oren, A., Ventosa, A., Christensen, H., Arahal, D.R., Da Costa, M., Rooney, A.P., Yi, H., Xu, X.-W., De Meyer, S., and Trujillo, M.E. 2018. Minimal standards for the use of genome data for the taxonomy of prokaryotes. *Int. J. Syst. Evol. Microbiol.* 68: 461-466.
697. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 11, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 471-473.
698. Oren, A., Garrity G.M. 2018. Uncultivated microbes – in need of their own nomenclature? *ISME J.* 12: 309-311.
699. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 67, part 12, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 695-697.
700. Oren, A., and Garrity, G.M. 2018. Validation List no. 180. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 68: 693-694
701. Whitman, W.B., Oren, A, Chuvochina, M., da Costa, M.S., Garrity, G.M., Rainey, F.A., Rosselló-Móra, R., Schink, B., Sutcliffe, I., Trujillo, M.E., and Ventura, S. 2018. Proposal of the suffix *-ota* to denote phyla. Addendum to “Proposal to include the rank of Phylum in the International Code of Nomenclature of Prokaryotes” *Int. J. Syst. Evol. Microbiol.* 68: 967-969.

702. Oren, A. 2018. Salt lakes, climate change, and human impact: a microbiologist's perspective. In: *Air and Water – Components of the Environment*. Ed. G. Şerban, R. Băţinas, T. Tudose, C. Horváth, A. Croitoru, I. Holobăcă. Babeş-Bolyai University, Cluj-Napoca, pp. 163-170.
703. Trujillo, M.E., and Oren, A. 2018. Avoiding "salami slicing" in publications describing new prokaryotic taxa. *Int. J. Syst. Evol. Microbiol.* 68: 977-978.
704. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 1, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 979-981.
705. Chaudhary, D.K., Dalal, R.H., Oren, A., and Kim, J. 2018. Proposal of *Nemorincola* gen. nov. to replace the illegitimate prokaryotic genus name *Nemorella* Chaudhary *et al.* 2018. *Int. J. Syst. Evol. Microbiol.* 68: 1319-1320.
706. Oren, A., Hirschberg, Y., Mann, V., and Jehlička, J. 2018. Effects of nicotine on the biosynthesis of carotenoids in halophilic Archaea (class *Halobacteria*): an HPLC and Raman spectroscopy study. *Extremophiles* 22: 359-366.
707. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 2, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 1409-1410.
708. Oren, A., and Garrity, G.M. 2018. Validation List no. 181. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 68: 1411-1417.
709. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 3, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 1823-1824.
710. Oren, A., and Garrity, G.M. 2018. Notification of changes in taxonomic opinion previously published outside the IJSEM. List of changes in taxonomic opinion no. 28. *Int. J. Syst. Evol. Microbiol.* 68: 2137-2138,
711. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 4, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 2134-2136.
712. Oren, A., and Garrity, G.M. 2018. Validation List no. 182. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 68: 2130-2133.
713. Oren, A, Garrity, G.M., and Parte, A.C. 2018. Why are so many effectively published names of prokaryotic taxa never validated? *Int. J. Syst. Evol. Microbiol.* 68: 2125-2129.

714. Jehlicka, J., Culka, A., Mana, L., and Oren, A. 2018. Using portable Raman spectrometer to detect carotenoids of halophilic archaea in synthetic inclusions in halite and sulfates. *Anal. Bioanal. Chem.* 410: 4437-4443.
715. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 5, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 2413-2415.
716. Oren, A. 2018. Acidophiles – Version 3.0. In: *Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd., Chichester, www.els.net, doi: 10.1002/9780470015902.a000336.pub.3.
717. Gunde-Cimerman, N., Oren, A., and Plemenitas, A. 2018. Strategies of adaptation of microorganisms of the three domains of life to high salt concentrations. *FEMS Microbiol. Rev.* 242: 353-375.
718. Oren, A. and Rupnik, M. 2018. *Clostridium difficile* and *Clostridioides difficile*: two validly published and correct names. *Anaerobe* 52: 125-126.
719. Oren, A. 2018. Extremophiles and their natural niches on Earth. In Kolb, V. (ed.), *Handbook of Astrobiology*. CRC Press/Taylor & Francis. Boca Raton, pp. 635-660.
720. Lee, C.J.D., McMullan, P.E., O'Kane, C.J., Stevenson, A., Santos, I.C., Roy, C., Ghosh, W., Mancinelli, R.L., Banciu, H.L., Mormile, M.R., McMullan, G., Fares, M.A., Benison, K.C., Oren, A., Dyall-Smith, M.L. and Hallsworth, J.E. 2018. NaCl-saturated brines are thermodynamically moderate, rather than extreme, microbial habitats. *FEMS Microbiol. Rev.* fuy026, 42: 672-693.
721. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 6, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 2710-2711.
722. Oren, A., and Garrity, G.M. 2018. Validation List no. 183. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.* 68: 2707-2709.
723. Gupta R.S., Sawnani, S, Adeolu, M., Alnajar, S., and Oren, A. 2018. Phylogenetic framework for the phylum Tenericutes based on genome sequence data: Proposal for the creation of a new order *Mycoplasmodiales* ord. nov., containing two new families *Mycoplasmodiaceae* fam. nov. and *Metamyoplasmataceae* fam. nov. harboring *Ureaplasma* and five novel genera. *Antonie van Leeuwenhoek* 111: 1583-1630.
724. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 7, of the IJSEM. *Int. J. Syst. Evol. Microbiol.* 68: 3077-3079.

725. Oren, A., Garrity, G.M. 2018. Proposal to emend Rules 50a and 50b of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.* 68: 3371-3376.
726. Oren, A. 2018. Physiology and biochemistry of halophilic microorganisms. In: M. Zheng, T. Deng, and A. Oren (eds), *Introduction to salt lake science*. Science Press, Beijing, in press.
727. Oren, A. 2018. Microbiology of hypersaline environments. In: M. Zheng, T. Deng, and A. Oren (eds), *Introduction to salt lake science*. Science Press, Beijing, in press.
728. Oren, A. 2018. Solar salterns as model systems for the study of halophilic microorganisms in their natural environments. In: Seckbach, J. and Rampelotto, P.H. (eds.), *Model ecosystems in extreme environments*. Elsevier, Amsterdam, in press.
729. Oren, A. 2018. *Natronorubrum*. In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester, in press.
730. Oren, A., and Montalvo-Rodríguez, R. 2018. *Halogeometricum*. in *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester, in press.
731. Oren, A. 2018. *Halorubrum*. In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester, in press.
732. Oren, A. 2018. *Natronobacterium*. In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester, in press.
733. Oren, A. 2018. *Natronococcus*. In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester, in press.
734. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 8, of the IJSEM. *Int. J. Syst. Evol. Microbiol.*, in press.
735. Oren, A., and Garrity, G.M. 2018. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 9, of the IJSEM. *Int. J. Syst. Evol. Microbiol.*, in press.
736. Oren, A., and Garrity, G.M. 2018. Proposal to modify Rule 27 and 30(3)(b) of the International Code of Nomenclature of Prokaryotes. *Int. J. Syst. Evol. Microbiol.*, in press.
737. Oren, A., and Garrity, G.M. 2018. Validation List no. 184. List of new names and new combinations previously effectively, but not validly, published. *Int. J. Syst. Evol. Microbiol.*, in press.

738. Sun, C., Xu, L., Yu, X.-Y., Zhao, Z., Wu, Y.-H., Oren, A., Wang, C.-S., and Xu, X.-W. 2018. *Minwuiia thermotolerans* gen. nov., sp. nov., a marine bacterium forming a deep branch in the *Alphaproteobacteria*, and proposal of *Minwuiaceae* fam. nov. and *Minwuiiales* ord. nov. *Int. J. Syst. Evol. Microbiol.*, in press.
739. Oren, A. 2018. How to name new taxa of archaea and bacteria. In *Bergey's Manual of Systematics of Archaea and Bacteria*, ed. W.B. Whitman, John Wiley: Chichester, in press.
740. Trujillo, M.E., Oren, A., and Garrity, G.M. 2018. Preparation of the Validation Lists and the role of the List Editors. *Int. J. Syst. Evol. Microbiol.*, in press.
741. Oren, A., Deng, T., Shadrin, N.V., Zheng, M, and Zadereev, E.S. 2018. Introduction: Value and dynamics of salt lakes in a changing world. *J. Oceanol. Limnol.*, in press.
742. Whitman, W.B., Bull, C., Busse, H-J, Fournier, P.-E., Oren, A, Ventura, S. Request for revision of the Statutes of the International Committee on Systematics of Prokaryotes. *Int. J. Syst. Evol. Microbiol.*, in press.
743. Oren, A., and Garrity, G.M. 2019. Notification that new names of prokaryotes and new combinations have appeared in volume 68, part 10, of the IJSEM. *Int. J. Syst. Evol. Microbiol.*, in press.