

Natural History Collections Publications 2002/2003

Refereed articles

1. Appelbaum, L., Achituv, Y., and Mokady, O. 2002. Speciation and the establishment of zonation in an intertidal barnacle: Specific settlement vs. selection. Molecular Ecology 11:1731-1737.
2. Barki, Y., Gateño D., Graur, D., Rinkevich, B. 2002. Soft-coral natural chimerism: A window in ontogeny allows the creation of entities comprised of incongruous parts. Marine Ecology Progress Series 231:91-99.
3. Barneah, O., Malik, Z., and Benayahu Y. 2002. Attachment to substrate in soft coral fragments: desmocyte development, structure, and function Invertebrate Biology 121:81-90.
4. Bar-Oz, G., and Dayan, T. 2002. "After 20 years": A taphonomic re-evaluation of Nahal Hadera V, an Epipaleolithic site on the Israeli coastal plain. Journal of Archaeological Science 29:145-156.
5. Bar-Oz, G., and Dayan, T. 2003. Testing the use of multivariate taphonomic comparisons: The faunal analysis of Hefzibah in its Epipaleolithic cultural context. Journal of Archaeological Science 30:885-900.
6. Bar-Zeev, U.J., and Mienis, H.K. 2002. The pilgrim snails of Terra Sancta. Holy Land Spring 2002:11-12.
7. Benayahu Y., Tesfamariam, Y., and Schleyer, M.H. 2002. Soft corals (Octocorallia, Alcyonaceae) of the southern Red Sea. Israel Journal of Zoology 48:273-283.
8. Benayahu, Y. 2002. Soft corals (Octocorallia: Alcyonacea) of the southern Ryukyu Archipelago: The families Tubiporidae, Clavulariidae, Alcyoniidae and Briareidae Galaxea 4:1-21.
9. Blundell, G.M., Ben-David, M., Groves, P., Bowyer, R.T., and Geffen, E. 2002. Sex-biased dispersal and gene flow in coastal river otters: implications for natural recolonization of extirpated populations. Molecular Ecology 11:289-303.
10. Bogi, C., and Galil, B.S. 2002. *Retusa desgenettii* (Audouin, 1826) (Gastropoda: Opisthobranchia) along the Israeli coast. Le Conchiglie 305:11-13.

11. Brake, I., and Freidberg, A. 2003. Revision of *Desmometopa* (*Litometopa*), with descriptions of six new species (Diptera: Milichiidae). Proceedings of the Entomological Society of Washington 105:265-282.
12. Bresler, V, and Fishelson, L. 2003. Polyploidy and polyteny in the gigantic eubacterium *Epulopiscium fishelsoni*. Marine Biology 143:17-21.
13. Bresler, V., Abelson, A., Fishelson, L., Feldstein, T., Rosenfeld, M., and Mokady O. 2003. Marine molluscs in environmental monitoring. I. Cellular and molecular responses. Helgoland Marine Research 57:157-165.
14. Bresler, V., Mokady, O., Fishelson, L., Feldstein, T., and Abelson, A. 2003. Marine molluscs in environmental monitoring. II. Experimental exposure to selected toxic pollutants. Helgoland Marine Research 57:206-211.
15. Burns, E., Ifrach, I., Carmeli, S., Pawlik, J.R., and Ilan M. 2003. Comparison of anti-predatory defenses of Red Sea versus Caribbean sponges: I. Chemical defense. Marine Ecology Progress Series 252:105-114.
16. Burns, E., and Ilan, M. 2003. Comparison of anti-predatory defenses of Red Sea versus Caribbean sponges: II. Physical defense. Marine Ecology Progress Series 252:115-123.
17. Chikatunov, V. 2003. Catalogue of the beetles (Coleoptera) in Israel and adjacent areas. Tel Aviv University, 150 pp.
18. Chikatunov, V., Pavliček, T., and Nevo, E. 2003. Coleoptera of "Evolution Canyon", Lower Nahal Oren, Mt. Carmel, Israel. Part II. Pentsoft: 165 pp.
19. Dagan, T., Talmor, Y., and Graur, D. 2002. Ratios of radical to conservative amino-acid replacement are affected by mutational and compositional factors and may not be indicative of positive Darwinian selection. Molecular Biology Evolution 19:1022-1025.
20. Dayan, T., Wool, D., and Simberloff, D. 2002. On the variation and covariation of carnivore skulls and teeth. Paleobiology 28:508-526.
21. Dolev, A., Saltz, D., Bar-David, S., and Yom-Tov, Y. 2002. The impact of repeated releases on the space use patterns of Persian fallow deer (*Dama dama mesopotamica*). Journal of Wildlife Management 66:737-746.
22. Dorchin, N., Aloni, R., and Freidberg, A. 2002. Differentiation of vascular tissues and sclerenchyma induced by larvae of two gall midge species (Diptera: Cecidomyiidae) in *Suaeda monoica* (Chenopodiaceae) shoot galls. Canadian Journal of Botany 80:1141-1150.
23. Drake, L., Ruiz, G., Galil, B.S., Mullady, T., Friedmann, D., and Dobbs. 2002. Microbial ecology of ballast water during a trans-oceanic voyage and the effects of open-ocean exchange. Marine Ecology Progress Series 233:13-20.
24. Eshed, V., Latimer, B., Greenwald, C.M., Jellema, L.M., Rothschild, B.M., Wish-Baratz, S., and Hershkovitz, I. 2002. Button Osteoma: Its Etiology and Pathophysiology. American Journal of Physiology and Anthropology 118:217-230.

25. Feldstein, T., Kashman, Y., Abelson, A., Fishelson, L., Mokady, O., Bresler, V., and Erel, Y. 2003. Marine molluscs in environmental monitoring. III. Trace metals and aromatic pollutants in animal tissue and sediments. Helgoland Marine Research 57:212-219
26. Fine, M., and Loya, Y. 2002. Endolithic algae and coral bleaching. Proceedings of the Royal Society of London Series B Biological Science 269:1205-1210.
27. Fine, M., and Loya, Y. 2003. Alternate competitive superiority during coral bleaching. Marine Biology 142:989-996.
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29. Fine, M., Oren, U., and Loya, Y. 2002. Bleaching effect on regeneration and resource translocation in the coral *Oculina patagonica*. Marine Ecology Progress Series 234:119-125.
30. Finkel, M., Chikatunov, V., and Nevo, E. 2002. Biodiversity and interslope divergence of Tenebrionidae species caused by sharp microclimatic stresses at "Evolution Canyon" II, Lower Nahal Keziv, Western Upper Galilee, Israel. Journal of Mediterranean Ecology 3:29-36.
31. Finkel, M., Chikatunov, V., and Nevo, E. 2002. Coleoptera of "Evolution Canyon" II, Lower Nahal Keziv, Western Upper Galilee, Israel. Pentsoft: 270 pp.
32. Fishelson, L. 2002. Ethics and Ecology. EEIU 1-4.
33. Fishelson, L. 2003. Comparison of testes structure, spermatogenesis, and spermatocytogenesis in young, aging, and hybrid cichlid fish (Cichlidae, teleostei). Journal of Morphology 256:285-300.
34. Fishelson, L., and Bresler, V. 2002. Comparative studies of the development and differentiation of chloride cells in Tilapine fish with different reproductive styles. Journal of Morphology 253:118-131.
35. Fishelson, L., and Hilzerman, F. 2002. Flexibility in reproductive styles of male St. Peters tilapia, *Sarotherodon galilaeus* (Cichlidae). Environmental Biology of Fishes 63:173-182.
36. Fishelson, L., Bresler, V., Abelson, A., Stone, L., Geffen, E., Rosenfeld, M., and Mokady, O. 2002. The two sides of man-induced changes in littoral marine communities: Eastern Mediterranean and the Red Sea as an example. Science of the Total Environment 296:139-151.
37. Frank, U., and Mokady, O. 2002. Coral biodiversity and evolution: recent molecular contributions. Canadian Journal of Zoology 80:1723-1734.
38. Freidberg, A., 2002. Systematics of Schistopterini (Diptera: Tephritidae: Tephritinae), with descriptions of new genera and species. Systematic Entomology 27:1-30.
39. Freidberg, A., and Kütük, M. 2003. A new species of *Tephritis* from Turkey, with a key to the species of the *Tephritis pulchra* group. Israel Journal of Zoology 48:295-311.

40. Freidberg, A., and Mathi, W.N. 2002. The Periscelididae of Israel, with description of a new species of *Stenomicro* Coquillett. Israel Journal of Zoology 48:43-51.
41. Freidberg, A., and Yarom, I. 2002. Israeli terms are used for consistency, not politics. Nature 417: 583.
42. Fuchs, M.A., Mokady, O., and Frank, U. 2002 The ontogeny of allorecognition in a colonial hydroid and the fate of early established chimeras. International Journal of Developmental Biology 46:699-704.
43. Galil, B.S., 2003. Contribution to the knowledge of Leucosiidae I. The identity of *Leucosia craniolaris* (Linnaeus, 1758), and redefinition of the genus *Leucosia* Weber, 1795 (Crustacea: Brachyura). Zoologische Verhandelingen, Leiden 77:181-191.
44. Galil, B.S., 2003. Four new genera of Leucosiid crabs (Crustacea: Brachyura: Leucosiidae) for three new species and nine species previously in the genus *Randallia* Stimpson, 1857, with a redescription of the type species, *R. ornata* (Randall, 1939). Proceeding of the Zoological Society of Washington 116:395-422.
45. Galil, B.S., and Innocenti, G. 2002. A note on coral-rubble mimetic leucosiid crabs from Kenya. Atti della Societa Italiana di Scienze naturali 142:201-205.
46. Galil, B.S., and Kevrekidis, K. 2002. Exotic decapods and a stomatopod off Rhodes Island (Greece) and the Eastern Mediterranean Transient. Crustaceana 75:925-930.
47. Garfinkel, Y., Dag, D., Horwitz, L.K., Lernau, O., and Mienis, H.K. 2002. Ziqim, a Pottery Neolithic Site in the southern coastal plain of Israel a final report. Mitekufat Ha'even, Journal of the Israel Prehistoric Society 32:73-145 and 10*-11* (Hebrew summary).
48. Garty, J., Kunin, P., Delarea, J., and Weiner, S. 2002. Calcium oxalate and sulphate-containing structures on the thallial surface of the lichen *Ramalina lacera*: response to polluted air and simulated acid rain. Plant, Cell and Environment 25:1591-1604.
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51. Garty, J., Tomer, S., Levin, T., and Lehr, H. 2003. Lichens as biomonitors around a coal-fired power station in Israel. Environmental Research 91:186-198.
52. Gershenson, Z. S., Pavliček, T., Chikatunov, V., and Nevo, E. 2002. New Records of Yponomeutoid moths (Lepidoptera, Yponomeutidae, Plutellidae) from Israel. Vestnik Zoologii 36:77-80.

53. Gild, S., Frank, U., and Mokady, O. 2003. Allogeneic interactions in *Hydractinia*: is the transitory chimera beneficial? International Journal of Developmental Biology 47:433-438.
54. Gophna, U., Ron, E.Z., and Graur, D. 2003. Bacterial type III secretion systems are ancient and evolved by multiple horizontal-transfer events. Gene 312:151-63.
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58. Hamlett, W., Fishelson, L., Baranes, A., Hysell, K., and Sever, D.M. 2002. Ultrastructural analysis of sperm storage and morphology of the oviductal gland in the Oman shark, *Iago omanensis* (Triakidae). Marine Freshwater Research 53:601-613.
59. Hatzofe, O., and Yom-Tov, Y. 2002. Global warming and recent changes in Israel avifauna. Israel Journal of Zoology 48:351-357.
60. Hazkani-Covo, E., Altman, N., Horowitz, M., and Graur, D. 2002. The evolutionary history of prosaposin: Two successive tandem-duplication events gave rise to the four saposin domains. Journal of Molecular Evolution 54:30-34.
61. Hazkani-Covo, E., Sorek, R., and Graur, D. 2003. Evolutionary dynamics of large *numts* in the human genome: Rarity of independent insertions and abundance of post-insertion duplications. Journal of Molecular Evolution 56:169-174.
62. Heiman, E.L. and Mienis, H.K., 2003. Shells of East Sinai, an illustrated list. Cypraeidae. Triton 8:19-21.
63. Heiman, E.L., and Mienis, H.K. 2002. *Blasicrura teres elatensis* and *Blasicrura teres natalensis* – two new subspecies. Triton 5:11-17.
64. Heiman, E.L., and Mienis, H.K. 2003. Shells of East Sinai, an illustrated list. Muricidae (2). Triton 8:22-24.
65. Heiman, E.L., and Mienis, H.K. 2003. Shells of East Sinai, an illustrated list. Trochidae. Triton 8:25-28.
66. Heiman, E.L., and Mienis, H.K. 2003. Shells of East Sinai, an illustrated list. Coralliophilidae. Triton 8:29-30.
67. Hershkovitz, I., Greenwald, C.M., Latimer, B., Jellema, L.M., Wish-Baratz, S., Eshed, V., Dutour, O., and Rothschild B.M. 2002. *Serpens Endocrania Symmetrica* (SES): A new term and a possible clue for identifying intrathoracic disease in skeletal populations. American Journal of Physiology and Anthropology 118:201-216.

68. Horwitz, L.K., Tchernov, E., and Mienis, H.K. (2001) 2002. Archaeozoology and archaeomalacology of Site 917 in the Uvda Valley. Atiqot 42:121-127. (dated 2001; but published only in May 2002)
69. Horwitz, L.K., Tchernov, E., Mienis, H.K., Hakker-Orion, D., and Bar-Yosef Mayer, E. 2002. The archaeozoology of three Early Bronze Age sites in Nahal Besor, north-western Negev. In E.C.M. van den Brink and E. Yannai (Eds.): In Quest of ancient settlements and landscapes 107-131. Israel Exploration Society, Jerusalem.
70. Huchon D., Madsen, O., Sibbald, M.J.J.B., Ament, K., Stanhope, M.J., Catzeflis, F., de Jong, W.W., and Douzery, E.J.P. 2002. Rodent Phylogeny and a Timescale for the Evolution of Glires: evidence from an Extensive Taxon Sampling using three Nuclear Genes. Molecular Biology and Evolution 19:1053-1065.
71. Huchon, D., Nikaido, M., and Okada, N., 2002. L'utilisation des éléments mobiles de type SINE en phylogénie. Médecine/Science 18:1276-1281. (in French).
72. Innocenti, G., Pinter, N., and Galil B.S. 2003. Observations on the agonistic behavior of the swimming crab *Charybdis longicollis* Leene, infected by the Rhizocephalan barnacle *Heterosaccus dollfusi* Boschma. Canadian Journal of Zoology 81:173-176.
73. Jones, M.E., Paetkau, D., Geffen, E., and Moritz, C. 2003. Microsatellites for the Tasmanian devil (*Sarcophilus laniarius*). Molecular Ecology Notes 3:277-279.
74. Kam, M., Cohen-Gross, S., Khokhlova, I.S., Degen, A.A., and Geffen, E. 2003. Average daily metabolic rate, reproduction and energy allocation during lactation in the Sundevall jird, *Meriones crassus*. Functional Ecology 17: 496-503.
75. Koren, L., Mokady, O., Karaskov, T., Klein, J., Koren, G., and Geffen, E. 2002. A novel method for determining hormonal levels in wildlife using hair. Animal Behaviour 63: 403-406.
76. Kravchenko, V., Hacker, H.H. and Nevo, E. 2002. "Evolution Canyon" model :Interslope differences in Noctuidae (Lepidoptera) of two canyons in Carmel and Galilee mountains, Israel. Esperiana 9: 451-458.
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90. Mienis, H.K. 2002. A Keyhole limpet lacking the hole in the apex. Triton 6:1.
91. Mienis, H.K. 2002. Additional information concerning the presence of the genus *Lamellolucina* in the Red Sea. Triton 6:2-3.
92. Mienis, H.K. 2002. An albinistic specimen of *Xerotricha conspurcata*. Triton 6:29.
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94. Mienis, H.K. 2002. Blister pearl formation in *Diodora ruppellii*. De Kreukel 38(3-4): 47.
95. Mienis, H.K. 2002. British and Irish samples of American freshwater mollusks in the collection of the Hebrew University of Jerusalem 1. *Musculium transversum* (Say, 1829). The Conchologists' Newsletter 160:147-148.

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98. Mienis, H.K. 2002. Enkele oude vondsten van exotische mossels op vaartuigen op de werf van 'Wilton' in Rotterdam. Spirula 329:119.
99. Mienis, H.K. 2002. *Eobania vermiculata* in Iran. Triton 6:27.
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109. Mienis, H.K. 2002. Mariene mollusken uit het oostelijk deel van de Middellandse Zee 7. Bevestiging van het voorkomen van *Macra lilacea*. Spirula 325:22.
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