

## LIST OF PUBLICATIONS 2000-present

(Books, Book Chapters, Refereed papers)

### Books

1. Burger, J. and M. Gochfeld. 2000. 25 Nature Spectacles in New Jersey. Rutgers University Press.
2. Burger, J. R. Norgaard, E. Ostrom, D. Policansky, and B.D. Goldstein. 2001. Protecting The Commons A Framework for Resource Management in the Americas. Island Press. Washington DC, 328 pg.
3. Schreiber, B.A. and J. Burger (Eds). 2001. The Biology of Seabirds. CAC Press, Fl.
4. Burger, J. 2001. The Parrot that owns me. Villard. New York, New York.
5. Burger, J. 2002. Der Papagei dem ich gehorte. Piper, Munchen, Germany,
6. Myamoto, J., and J. Burger 2003. Endocrine Active Substances in the Environment. SCOPE/IUPAC.
7. Burger, J. 2006. Whispers in the Pines: A Naturalist in the Northeast. Rutgers University Press.
8. Burger, J. 2006. A Visual Guide to Birds. Firefly – United States–also published separately in England (Readers Digest), Australia (Mac Millan)
9. Dey, A., J. Burger, and L. Niles 2008. Predicting Occurrence of Area-sensitive Forest Birds. VDM Verlag Dr. Müller, Saarbrücken, Germany
10. Burger, J. (editor) 2011. Science and Stakeholder: Solutions to Energy and Environmental Issues by Incorporating Resource Agencies, Regulators, Tribes, Industries, and Other Stakeholders. Springer, New York, New York.

### Book Chapters

1. Burger, J. and M. Gochfeld. 2000. Protecting ecological and environmental workers at hazardous waste sites. In: Protecting personnel at hazardous wastesites (Ed. W. E. Martin and M. Gochfeld) Butterworth-Heinmann: Boston. Pp 625-639.
2. Boesch, D. F., J. Burger, C. F. D Elia, D. J. Reed, and D. Scavia. 2000. Scientific Synthesis in Estuarine Management. In: Estuarine Science: A Synthetic Approach to Research and Practice (Ed. John E. Hobbie) Island Press, Washington, DC. Pp 510- 527.
3. Burger, J. 2001. Biomonitoring Cadmium in Ecosystems: Trophic Level Considerations. Environmental Cadmium in the Food Chain: Sources, Pathways, and Risks. Edited by J.K.Syers, and M. Gochfeld.Proceedings of the SCOPE Workshop. Belgian Academy of Sciences. Brussels, Belgium, 13-16 September 2000.
4. Burger, J. 2001. Intrusions of personal watercraft into coastal commons: conflicts and resolutions. In Revisiting the Commons: an Americas Perspective (J. Burger, C. Field, E. Ostrom, R. Norgaard and B. Goldstein, eds.). Island Press, Washington D.C.
5. Burger, J. 2001. Introduction. In Protecting the Commons: A Framework for Resource Management in the Americas. (J. Burger, E. Ostrom, R. Norgaard and B. Goldstein, eds.). Island Press, Washington D.C.

6. Gochfeld, M., Burger, J., B.D. Goldstein. 2001. The Medical Commons. In *Protecting the Commons: A Framework for Resource Management in the Americas*. (J. Burger, E. Ostrom, R. Norgaard and B. Goldstein, eds.). Island Press, Washington D.C.
7. Burger J. and M. Gochfeld. 2001. Laridae, Sternidae and Rynchopidae. In: Steele J H, Thorpe S A and Turekian KK (eds) *Encyclopedia of Ocean Sciences*, vol. 3, pp 1469-1480. London: Academic Press.
8. Burger J. 2001. Seabird Conservation. In: Steele J H, Thorpe S A and Turekian KK (eds) *Encyclopedia of Ocean Sciences*, vol. 5, pp 2629-2636. London: Academic Press.
9. Burger, J. 2001. Seabirds in the Marine Environment. In: *CRC Press Biology of Marine Birds*. (Eds. E.A. Schreiber, J. Burger) 1-17.
10. Burger, J., K.C. Hamer, and E. A. Schrieber. 2001. Breeding, Biology, Life Histories, and Life History-Environment Interactions in Seabirds. In: *CRC Press Biology of Marine Birds*. (Eds. E.A. Schreiber, J. Burger) 217-262.
11. Burger, J and M. Gochfeld. 2001. Effects of Chemicals and Pollution on Seabirds. In: *CRC Press Biology of Marine Birds*. (Eds. E.A. Schreiber, J. Burger) 485-526.
12. Burger, J. 2002. Ocean Dumping. In: *Encyclopedia of Public Health*, ed. Lester Breslow (New York and Detroit: Macmillan Reference USA), pp. 856-857.
13. Burger, J. 2002. Oil Spills. In: *Encyclopedia of Public Health*, ed. Lester Breslow (New York and Detroit: Macmillan Reference USA), pp. 864-865.
14. Burger, J. 2002. Tourism and Ecosystems. In: John Wiley & Sons, London. *Encyclopedia of Global Environmental Change*. 3:597-609.
15. Burger, J. 2002. Seabirds in the Marine Environment. In: *CRC Press Biology of Marine Birds*. (Eds. E.A. Schreiber, J. Burger) 1-17.
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17. Burger, J and M. Gochfeld. 2002. Effects of Chemicals and Pollution on Seabirds. In: *CRC Press Biology of Marine Birds*. (Eds. E.A. Schreiber, J. Burger) 485-526.
18. Burger, J., J. Giesy, C. E. Grue, and M. Gochfeld. 2002. Effects of Chemicals on Avian Behavior. In: *Behavioral Ecotoxicology*. (Ed. G. Dell-Omo.)
19. Burger, J. 2002. Bonaparte's Gull. In: *Birds of North America*. (A. Poole and F. Gill, eds). No 634:1-24.
20. Myamoto, J., and J. Burger. 2003. Endocrine Active Substances in the Environment. SCOPE/IUPAC.
21. Burger, J., K. Parsons and M. Gochfeld. 2004. Avian populations and environmental degradation in an urban river: The Kills of New York and New Jersey. In: J. Jackson (ed.). *Bird Conservation*. University of Wisconsin Press.
22. Snodgrass, J. W., D. Batzer, and J. Burger. Management of Wetland Fish Populations: Population Control and Maintenance. In R. B. Rader and D. Batzer (eds.), *Biomonitoring and Management of North American Wetlands*. Wiley & Sons, New York.
23. Burger, J. 2003. Workshop 5.1 Making decisions in the 21st century: Scientific data, weight of evidence, and the Precautionary Principle. In *Official Journal of the International Union of Pure and Applied Chemistry. Implications of Endocrine Active Substances for Humans and Wildlife -*

- a SCOPE/IUPAC Project. 75:(11-12) 2505-2513. (ed. J. Miyamoto and J. Burger)
24. Burger, J. 2003. Workshop 5.5 Differing perspectives on the use of Scientific Evidence and the Precautionary Principle. *In* Official Journal of the International Union of Pure and Applied Chemistry. Implications of Endocrine Active Substances for Humans and Wildlife - a SCOPE/IUPAC Project. 75:(11-12) 2543-2545. (ed. J. Miyamoto and J. Burger)
  25. Burger, J. 2004. Caregiving (Incubation). *In*: Encyclopedia of Animal Behavior Greenwood Press, Connecticut Vol 1: A-C 191-196.
  26. Burger, J. 2004. Human (Anthropogenic) Effects Pollution and Behavior. *In* Encyclopedia of Animal Behavior Greenwood Press, Connecticut Vol 2: D-P 682-686.
  27. Burger, J. 2006 Neurotoxicology and Behavioral Effects in Reptiles. *In* Toxicology of Reptiles, Taylor and Francis Group, Boca Raton, FL, P 173-198.
  28. Volz, C., Powers, C., Burger, J., Kosson, D., Gochfeld, M., Friedlander, B., Barnes, D., Bliss, L., Jewett, S., Johnson, M., Stabin, M., Unsworth, M., Vyas, V., and Horsch, J. (2006). The CRESP Amchitka expedition: a model for multi- and interdisciplinary research into radionuclide contamination of the marine environment. F. Linkov and R. LaPorte (eds.), Scientific networking and the global health supercourse. *In*: NATO Security through Science Series D: Information and Communication Security Vol. 5. Amsterdam, Netherlands: IOS Press.
  29. Burger, J., Tsipoura, N., Gochfeld, M., and Greenberg, M.R. (2007). Ecological considerations for evaluating current risk and designing long-term stewardship on department of energy lands. *In*: Research in Social Problems and Public Policy, volume 13, Long-Term Management of Contaminated Sites. T.M. Leschine (ed.). JAI Press.
  30. Wolfe M.F., Atkeson T., Bowerman W., Burger J., Evers D.C., Murray M.W., and Zillioux E. 2007. Wildlife indicators. *In*: Ecosystem Responses to Mercury Contamination: Indicators of Change. Harris R., Krabbenhoft D.P., Mason R.F., Murray M.W., Reash R.J., Saltman T. (eds). Society of Environmental Toxicology and Chemistry, Pensacola, Florida.
  31. Fiedler, N., Burger, J., and Gochfeld, M. (2008). Neurobehavioral Toxicity. *In*: Public Health Preventive Medicine, chapter 20, 15th edition. pp 523-544. R.B. Wallace (ed.). The McGraw-Hill Companies, Inc.
  32. Gochfeld, M. and Burger, J. (2008). Environmental and Ecological Risk Assessment. *In*: Public Health & Preventive Medicine, chapter 21, 15th edition. pp 545-562. R.B. Wallace (ed.). The McGraw-Hill Companies, Inc.
  33. Burger, J. and Gochfeld, M. (2008). Metals: Ocean Ecosystems and Human Health. *In*: Oceans and Human Health Risks and Remedies from the Seas. pp. 145-159.
  34. Burger, J., and Gochfeld, M. (2009). Black Skimmer. *In*: Birds of North America. (A. Poole and F. Gill, eds).
  35. Burger, Joanna. (2009). Differences in understanding of the risks and benefits of fish consumption in three coastal estuaries in New York and New Jersey. *In*: Fish Consumption and Health, chapter 3. pp. 61-76. Nova Science Publishers, Inc. New York, New York.
  36. Burger, Joanna (2009). Protecting human health and the environment around nuclear facilities: Native American, stakeholders, and environmental justice. *In*: Nuclear Fuels: Manufacturing Processes, Forms, and Safety, chapter 5.. Nova Science Publishers, Inc. New York, New York.

37. Burger, Joanna. (2010). Herring Gulls. In: Encyclopedia of Animal Behavior. Vol. 2 pp 70-76.
38. Burger, Joanna. (2011). Biological Assessment for Radionuclide Levels in Biota and Ecosystems. In: Radioactivity Assessment. . Nova Science Publishers, Inc.
39. Burger, Joanna. (2011). The Northern Pine Snake (*Pituophis melanoleucus*) in New Jersey: Its Life History, Behavior and Conservation. In: Reptiles: Biology, Behavior, and Conservation. . Nova Science Publishers, Inc.
40. Burger, Joanna (2011). Ecology and Environmental Health. In: The Praeger Handbook of Environmental Health. Praeger, New York, New York.
41. Burger, Joanna (2011). Biological Indicators. In: Berkshire Encyclopedia of Sustainability. Berkshire Publishing Group, Barrington, Massachusetts.

### **Refereed Publications**

1. Gaines, K., C.G.Lord, C. Shane Boring, I. Lehr Brisbin, Jr., M. Gochfeld, and J. Burger. 2000. Raccoons as Potential Vectors of Radionuclide Contamination to Human Food Chains from a Nuclear Industrial Site. 2000. J. of Wildlife Management. 64 (1) 199-208.
2. Burger, J. 2000. A Comparison of On-site Hunters, Sportsmen, and the General Public Recreation and Future Land Preferences for the Savannah River Site. J. of Environmental Planning & Management. 43: 221-233.
3. Burger, J. and M. Gochfeld. 2000. Metals in Albatross Feathers from Midway Atoll: Influence of Species, Age, and Nest Location. Environ Research 82:207-221.
4. Burger, J. and M. Gochfeld. 2000. Metals in Laysan Albatross from Midway Atoll. ArchEnviron. Contam. Toxicol. 38:254-259.
5. Solitare, L., K. Lowrie, M. Frisch, M. Greenberg, C. Noah, and J. Burger 2000. Enhanced Recreational Opportunities at U.S. DOE Sites: Economic Evaluation of an Alternative Land-Use Scenario at the Savannah River Site. Federal Facilities Environmental Journal. 10:51-72.
6. Snodgrass, J. W., C. H. Jagoe, A. L. Bryan Jr., H. A. Brant, and J. Burger. 2000. Effects of trophic status, and wetland morphology, hydroperiod and water chemistry on mercury concentrations in fish. Can. J. Fish. Aquat. Sci. 57:171-180.
7. Snodgrass, J. W., M. J. Komoroski, A. L. Bryan, Jr. and J. Burger. 2000. Relationships among Isolated Wetland Size, Hydroperiod, and Amphibian Species Richness: Implications for Wetland Regulations. Conservation Biology, 14:414-419.
8. Burger, J., M. Gochfeld, A. A. Rooney, E.F. Orlando, A. R. Woodward, L.J. Guillette, Jr. 2000. Metals and Metalloids in Tissues of American Alligators in Three Florida Lakes. Arch Environ Contam Toxicol 38: 501-508.
9. Burger, J., G. E. Woolfenden, and M. Gochfeld. 2000. Metal Concentrations in the Eggs of Endangered Florida Scrub-Jays from Central Florida. Arch Environ Contam Toxicol 37: 385-388.
10. Burger, J., M. Gochfeld. 2000. Effects of Lead on Birds(Laridae): A review of

Laboratory and Field Studies. J. of Tox and Env Health, part B. 3:59-78.

11. Burger, J., J. Leonard. 2000. Conflict Resolution in Coastal Waters: the Case of Personal Watercraft. Marine Policy, 24: 61-67.
12. Burger, J., D. E. Roush Jr., J. Sanchez, J. Ondrof, R. Ramos, M. J. McMahon, and M. Gochfeld. 2000. Attitudes and Perceptions about Ecological Resources, Hazards, and Future Land Use of People Living near the Idaho National Engineering and Environmental Laboratory. Environm. Monit. Assess. 60:145-161.
13. Dey, P.M., M. Gochfeld, K.R. Reul, and J. Burger. 2000. Developmental Lead Exposure Disturbs Expression of Synaptic Neural Cell Adhesion Molecules in Herring Gull Brains. J. of Tox. 146: 137-147.
14. Burger, J., D. Roush, R. Ramos II, and M. Gochfeld. 2000. Risk perception, land use, and the Idaho National Engineering and Environmental Laboratory: attitudes of the Shoshone-Bannock and other American Indians. Environ. Res. A83: 298-310.
15. Burger, J. Consumption Advisories and Compliance: the Fishing Public and the Deamplification of Risk. 2000. Environmental Planning and Management 43:471- 488.
16. Burger, J., M. Gochfeld. 2000. Metal Levels in Feathers of 12 Species of Seabirds from Midway Atoll in the Northern Pacific Ocean. Science of Total Environ. 257:37-52.
17. Snodgrass, J. W., A. L. Bryan Jr., and J. Burger. 2000. Development of Expectations of Larval Amphibian Assemblage Structure in Southeastern Depression Wetlands. Ecological Applications. 10(4):1219-1229.
18. Burger, J., C. Safina, and M. Gochfeld. 2000. Factors affecting vigilance in Springbok: importance of vegetative cover, location in herd, and herd size. Acta ethol 2:97-104.
19. Burger, J. C. D. Trivedi, and M. Gochfeld. 2000. Metals in Herring and Great Black-backed Gulls from the New York Bight: the role of salt gland in excretion. Environmental Monit. Assess.64:569-581.
20. Burger, J. (2000). Contaminated Department of Energy Facilities and Ecosystems: Weighing the Ecological Risks. J. of Tox and Environ Health, Part A, 61:141-154.
21. Burger, J., R.T. Zappalorti, and M. Gochfeld. (2000). The Defensive Behaviors of Pine Snakes (*Pituophis Melanoleucus*) and Black Racers (*Coluber Constrictor*) to Disturbance During Hibernation. Herp. Natural History. 7:59-66.
22. Burger, J. and J. W. Snodgrass. 2000. Oral deformities in several species of frogs from wetlands on the Savannah River Site. Environ. Chem. Toxicol. 19:2519-2524.
23. Burger, J. 2000. Integrating Environmental Restoration and Ecological Restoration: Long-term Stewardship at the Department of Energy. Environmental Management. 26:469-478.
24. Burger, J. 2000. Recreation and Risk Around Los Alamos: Are Hispanics More at Risk? Journal of Tox and Environ Health. 61:265:280.
42. Burger, J., C. G. Lord, L. McGrath, K. F. Gaines, I. L. Brisbin Jr., M. Gochfeld, and E. J Yurkow. 2000. Metals and metallothionein in the liver of raccoons: utility for environmental assessment and monitoring. J. Toxicol. Environ. Health. 60:243-261.

43. Goldstein, B.D., S. Erdal, J. Burger, E. Faustman, B. Friedlander, M. Greenberg, T. Leschine, C. Powers, L. Waishwell, B. Williams. 2000. Stakeholder Participation: Experience From The CRESP Program. *Environmental Epidemiology and Toxicology*. 2:103-111.
44. Burger, J. 2000. Integrating long-term avian studies with planning and adaptive management: Department of Energy Lands as a Case Study *Studies in Avian Biology*, 21:115-121.
45. Snodgrass, J. W., A. L. Bryan, Jr., And J. Burger. 2000. Development of Expectations of Larval Amphibian Assemblage Structure in Southeastern Depression Wetlands. *Ecological Applications*. 10: 1219-1229.
46. Burger, J. T. Shukla, C. Dixon, S. Shukla, M.J. McMahon, R. Ramos, and M. Gochfeld. 2000. Metals in Feathers of Sooty Tern, White Tern, Gray-backed Tern, and Brown Noddy from Islands in the North Pacific. *Environmental Monit and assesmnt*. 71:71-89.
47. Burger, J. Landscapes, tourism, and conservation. 2000. *Science for Total Environ*. 249:39-49.
48. Stern, A. H., M. Gochfeld, C. Weisel, J. Burger. 2001. Mercury and Methylmercury Exposure in the New Jersey Pregnant Population. *Arch of Environ Health*. 56(1):4-10.
49. Burger, J., L. Waishwell, 2001. Are We Reaching the Target Audience? Evaluation of a Fish Fact Sheet. *Sci of the Total Environ*. 277:77-86.
50. Burger, J. and M. Gochfeld. 2001. On developing bioindicators for human and ecological health. *Environmental Monitoring and Assessment*. 66:23-46.
51. Burger, J., and M. Gochfeld. 2001. Smooth-billed ani (*Crotophaga ani*) predation on butterflies in Mato Grosso, Brazil: risk decrease with increased group size. *Behav. Eco. And SocioBio*. 49:482-492.
52. Burger, J., and M. Gochfeld. 2001. Metal levels in feathers of Cormorants, Flamingos and Gulls from the coast of Namibia in Souther Africa. *Environmental Monitoring and Assessment*. 69:195-203.
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63. Burger, J. and M. Gochfeld. 2001. Effect of Human Presence on Foraging Behavior of Sandhill Cranes (*Grus canadensis*) in Nebraska. *Bird Behavior.* 14:81-87.
64. Palestis, B and J. Burger. 2001. Development of Common Tern (*Sterna hirundo*) Sibling Recognition in the Field. *Bird Behavior.* 14(2):75-80.
65. Burger, J., J. Hunter, and K. Cooper. Winter 2001. Using Intergrated Food-Web and Population-Based Models for Environmental Monitoring, Remediation Decisions and Long-Term Planning. *Remediation.* 12:87-102.
66. Burger, J. K.F. Gaines, C. G. Lord, I.L. Brisbin, Jr., S. Shukla, and M. Gochfeld. 2001. Metal Levels in Raccoon Tissues: Differences on and off the Department of Energy=s Savannah River Site in South Carolina. *Environ monit and Assessment.* 74:67-84.
67. Burger, J., M. Gochfeld, C. W. Powers, L. Waishwell, C. Warren, and B. D. Goldstein. 2001. Science, policy, stakeholders, and fish consumption advisories: developing a fish fact sheet for the Savannah River. *Environ. Manage.* 27:4:501-514.
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69. Burger, J. The Behavioral response of Basking Northern Water (*Nerodia sipedon*) and Easter garter (*Thamnophis sirtalis*) snakes to pedestrians in a New Jersey Park. 2001. *Urban Ecosystems.* 5:119-129.
70. Bartell, S. M., K. R. Campbell, C. J. Lewis, and J. Burger. Assessing ecological risks at U.S. 2002. Department of Energy facilities using methods borrowed from landscape ecology and habitat suitability analysis. I. Analysis of historical aerial photography and maps. *Int. J. Global Environ Issues.* 2:15-51.
71. Bartell, S. M., K. R. Campbell, and J. Burger. 2002. Assessing ecological risks at U.S. Department of Energy facilities using methods borrowed from landscape ecology and habitat suitability analysis. II. Adapting Habitat Suitability Index models and landscape-scale ecological models for use in ecological risk assessment. *Int. J. Global Environ Issues.* 52-77.

72. Burger, J., S. Boring, C. Dixon, C. Lord, M. McMahon, R. Ramos, S. Shukla, C. Jeitner, and M. Gochfeld. 2002. Exposure of South Carolinians to commercial meats and fish within their meat and fish diet. *Science of Total Environ.* 287:71-81.
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75. Burger, J., K. F. Gaines, C. S. Boring, W. L. Stephens, J. Snodgrass, C. Dixon, M. McMahon, S. Shukla, T. Shukla, and M. Gochfeld. 2002. Metal Levels in Fish from the Savannah River: Potential Hazards to Fish and Other Receptors. *Environ. Research.* 89:85-97.
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93. Burger, J. C. Dixon, T. Shukla, N. Tsipoura, H. Jensen, M. Fitzgerald, R. Ramos, and M. Gochfeld. 2003. Metal Levels in horseshoe crabs from Delaware Bay. *Environmental Contamination and Toxicology*. 44:36-42.
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