



Importance of aquatic insects in the world

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Abstract:

There are several orders of aquatic insects including Collembola - springtails, Ephemeroptera - mayflies, Odonata - dragonflies and damselflies, Plecoptera - stoneflies, Megaloptera - alderflies, fishflies, and dobsonflies, Neuroptera - lacewings, Coleoptera - beetles, Hemiptera - true bugs (water striders, giant water bugs), Hymenoptera - ants (e.g. *Polyrhachis sokolova*) and wasps, Diptera - flies and mosquitoes, Mecoptera - scorpionflies, Lepidoptera - moths, Trichoptera - caddisflies. Aquatic insects have significant interest by aquatic workers, dominance or abundance in fresh or marine water, their economic importance, their present lack of available information, importance in food chain and food web, outdoor recreation activities (mosquito, black flies, horseflies), pest of human and animals. The main habitat of them are: shallow streams, rivers, springs, large rivers, shallow standing water, clear pools, running water, slow moving rivers, turbulent stream, fast water, ponds, oxidation lake, marshes, rice field, flood plains, pools, slimy pond, temporary pond, underside of stone, attach to plants, marine, underside of leaves, warm stream, trees, rocks, crevices, chalk stream, slow flow river, dry basin of temporary pool, flood plain, beach zone, woodland pools, underside of floating leaves, in soils, algae mat, saturated woods, stagnant water, dam, debris, artificial container, cistern, can, old tires, pools with organic contents, on plants, in accumulation of decaying materials, lake, drainage, canals.

Biography:

Professor Vatandoost is professor at the School of Public Health & National Institute of Health Research, Tehran University of Medical Sciences. He has worked in the university for the past 24 years and is involved in research in Medi-



cine and Pharmacology. Professor Vatandoost has served as a WHO advisor in different parts of the world. He is President of the Iranian Scientific Society of Medical Entomology and Vector Control, Editor-In-Chief of the Journal of Arthropod-Borne Diseases. To date, he has presented a total of 162 articles at international meetings, published a total of 180 scientific papers in different international.

Recent Publications:

1. Original Article Assessment the Changing Trend of Susceptibility to Two Insecticides Among Field-Population *Culex quinquefasciatus* Compared with the Same Population Undergoing to Multiple Colonization
2. Relationship between Some Environmental and Climatic Factors on Outbreak of Whiteflies, the Human Annoying Insects
3. Impact of Environmental and Climate Factors on Spatial Distribution of Cutaneous Leishmaniasis in Northeastern Iran: Utilizing Remote Sensing

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