

PROFILE OF SCIENTIST/RESEARCH WORKER

Name: Anantanarayanan Raman

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Qualification: PhD, DSc

Area(s) of Specialization:

- Chemical and molecular ecology of arthropod–plant interactions
- Molecular physiology of phytoremediation of contaminated land-sites
- History of Indian biology (1650–1947)
- Biogeography and biodiversity of India and Australia

Occupation and Designation

- University Academic
- Professor of Ecological Agriculture–Sustainable Land management

Major Activities: Teaching and research.

Awards and Recognitions

- 2009 Faculty of Science Research Excellence Award.** Charles Sturt University, Vice-Chancellor's Office, Bathurst, New South Wales.
- 2008 Australian Academy of Science Visiting Professor.** To visit National Chung Hsing University (Department of Entomology), Taichung 40227, Taiwan to study the nutritional ecology of insects invading *Machilus thunbergii* (Lauraceae).
- 2007 M S Mani Centenary Award.** Entomology Academy of India, in recognition of the multiple contributions to Indian Cecidology in the last 25 years. Value: A silver plaque and a citation.
- 2006 University of Guam Visitor.** Visited the Agricultural Experiment Station, The University of Guam, Guam, USA to study the biology and oviposition behaviour of *Acythopeus burkhartorum* (Coleoptera: Curculionidae) infesting *Coccinia grandis* (Cucurbitaceae), an invasive weed in Guam.
- 2003 Deutscher Akademischer Austausch Dienst (DAAD) Visiting Professor.** Visited the *Heidelberg Institut für Pflanzenwissenschaften*, Ruprecht–Karls Universität, Heidelberg, Federal Republic of Germany to study (1) the aseptic dual culture technique using *Pemphigus* (Homoptera: Aphididae) and its primary host *Populus* and secondary host *Taraxacum* (2) hypersensitive responses among species of *Vitis* to infestations of *Daktulusphairia vitifoliae* (Homoptera: Aphididae).
- 2000 Ian Potter Foundation Distinguished Scholar.** Visited the Beadle Centre, University of Nebraska, Lincoln, to evaluate the nutrient mobilization in the moth-induced galls of the parthenium weed using stable isotope mass spectrometry.
- 1999 JEOL–Electron Microscope Key Centre Award.** To visit and work at the Electron Microscope Unit, The University of Sydney, Sydney to evaluate the impact of a moth and a weevil in the biological control of parthenium weed.
- 1999 Royal Society of New Zealand Scholar.** To visit Forest Health Research Division, New Zealand Forest Research Institute, Rotorua. Worked on the biology and behaviour

of a hymenopteran wasp impacting on the productivity and biomass of the timber species, *Eucalyptus saligna*. Value:

- 1995 State Forests of NSW Research Fellow.** To complete the research project 'Long-term logging impact on faunal changes'.
- 1991 Deutscher Akademischer Austausch Dienst (DAAD) Scholar.** To visit and collaborate with Professor Rolf Beiderbeck the Botanisches Institut, Ruprecht-Karls Universität, Heidelberg, Federal Republic of Germany, and to work on the protocol for raising plant-feeding insects on aseptically-grown tissue callus of its host plant, using *Trialeurodes-Stellaria* system.
- 1990 Fulbright Scholar.** To visit and collaborated with Professor Warren G. Abrahamson, Department of Biology, Bucknell University, Lewisburg, Pennsylvania, USA and to work on population ecology and evaluated energetics using the *Solidago-Eurosta* system.
- 1980 Indo-French Cultural Exchange Pre-doctoral Scholar.** *To visit and work with Dr Odette Rohfritsch, Dr Evelyn Westphal, and Dr Roberte Bronner at the Institut de Botanique, Université Louis Pasteur, Strasbourg, France. Worked on the fine structure and physiology of the nutritive tissues for infesting thrips (Thysanoptera: Phlaeothripidae) on different flowering plants.*