

Curriculum Vitae

Dr. R. Umamaheswari

Senior Scientist

Division of Crop Protection,
ICAR-Indian Institute of Horticultural Research,
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Date of Birth: 13-05-1977

Nationality: Indian

Educational Qualification: M. Sc. (Agriculture), Ph.D

Research Field: Plant Nematology

RESEARCH EXPERIENCE– 12 years

EMPLOYMENT RECORD:

Designation	Pay Scale/ Pay Band	Nature of work	Organization	Institution & Place of posting	Period (From-To)
Senior Scientist	R.15,600 – 39,100 + GP Rs.8000	Research	Indian Council of Agricultural Research	ICAR-Indian Institute of Horticultural Research	07.01.2017 to till date
Scientist (Sr. Scale)	R.15,600 – 39,100 + GP Rs.7000	Research	Indian Council of Agricultural Research	ICAR-Indian Institute of Horticultural Research	30.05.2014 to 06.1.2017
	R.15,600 – 39,100 + GP Rs.7000	Research	Indian Council of Agricultural Research	ICAR-Central Potato Research Institute, Ooty	07.01.2012 to 29.05.2014

Scientist	Rs. 15,600-39,100 + GP Rs.6000	Research	Indian Council of Agricultural Research	Central Potato Research Institute, Ooty	07.01.2008 to 06.01.2012
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Research areas include

- Integrated nematode management in horticultural crops
- Host plant resistance
- Entomopathogenic nematodes for insect control
- Eco-friendly management of potato cyst nematode management

TEACHING EXPERIENCE – 12 years

Taught courses in following subjects for Under Graduation and Post Graduation courses; handled theory and practical classes at TNAU, Coimbatore and ICAR-IIHR, Bengaluru for IARI Ph.D. students as Course leader and Course associate.

UG course

ANM 301 – Agricultural Nematology

PG courses

ANM 601 – Nematode Morphology and Taxonomy

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ANM 613 – Nematode disease complex and management

Ph.D. courses

ANM 801 – Advances in nematode taxonomy and nematological techniques

ANM 803- Biological control of plant parasitic nematodes

ANM 802 – Advances in nematode management

PI Path 607- Plant health diagnostics and management

NEMA510 – Nematode Management

VSC 611 - Breeding of Cross Pollinated Vegetable Crops

VSC 623 - Advances In Breeding For Stress Resistance In Vegetable Crops

STUDENTS GUIDANCE:

Guide for 1 Ph.D. student; Advisory member for 4 students

PUBLICATIONS:

Research articles : 53

Popular/technical articles : 15

Papers presented in Symposium/Seminars/Workshops: 35

Review papers : 3

Book Chapters : 7

Books/Proceedings edited : 1

TRAININGS ORGANISED : 10

TRAININGS/SHORT COURSES ATTENDED : 2

WORKSHOPS/GROUP MEETINGS ATTENDED : 9

INVITED TALKS : 5

AWARDS/Fellowships

- Chief Guest G.S. Pathak's Award for the Best Ph.D. student of the University with a gold medal at Tamil Nadu Agricultural University, Coimbatore.
- Dr. A. Abdul Kareem, Late Janab H. Peer Mohammed of Vandavasi and Dr. P. Narayanaswamy Awards for the Best Ph.D. student in Plant Protection Studies with a gold medal at TNAU, Coimbatore.
- Hexamar Agricultural Research Foundation Award for the Best Student in Plant Nematology with a gold medal at TNAU, Coimbatore.
- Dr. Mrs. Jagdiswari Rao Women Scientist Award – 2020 from Applied Zoologists Research Association, Bhubaneshwar, Odisha crops' during the International Conference on "Frontier Research in Applied Zoology and Insect Pest Management Strategies: A way Forward for Food and Nutritional Security" at UAS Raichur, 12-14th February, 2020.
- Senior Research Fellowship – Council of Scientific and Industrial Research, New Delhi
- Recipient of two Best Poster Awards and one Best Oral Award in National and International conferences.

EXTERNALLY FUNDED PROJECTS

Whether PI/CO-PI/ Associate	Title of Project (s)	Duration	Funding Agency	Budget
1. PI	Screening for resistance to nematodes in traditional banana cultivars and wild species of Tripura and other north-eastern region	22.3.2018 to 21.3.2021	DBT	Rs. 18.42 lakhs
2. PI	Development of nematode management strategies under protected as well as open field conditions and dissemination of the technology among rural women	6.6.2016 to 5.6.2019	DBT	Rs. 32.46 lakhs
3. PI	Bio-rational interventions through entomopathogenic nematodes to manage ash weevil (<i>Myllocerus</i> spp.) menace in brinjal (<i>Solanum melongena</i> L.)	10.7.2018 to 9.7.2021	DST-CRG	Rs. 19.19 lakhs

Association with Research Societies/Networks - 6

1. Serving as Treasurer, Association for Advancement in Pest Management in Horticultural Sciences, ICAR – IIHR, Bengaluru
2. Serving as 'Associate Editor (Nematology), Journal of Biological Control.



(R. Umamaheswari)