

Resume

Name of the Faculty: DR.P.SIDDHURAJU

Designation: Professor and Head

Department of Environmental Sciences

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Current Area of Research

- Bioresource potential of lesser utilised/neglected or wild relatives of cultivated crops: Impact on sustainable environmental food security, agrobiodiversity, soil fertility improvement and livestock management in rural areas/remote villages/semi urban areas.
- The germplasm collection, conservation, evaluation of Food/Feed potential and nutraceutical attributes of neglected/little known legumes, millets, fruits and vegetables.
- Role of neglected/underutilized/wild relatives of cultivated crops on sustainable agro biodiversity, soil fertility improvement, livestock management and environmental food security in rural areas.
- Sewage waste water irrigation and application of sludge on crop productivity and agroecosystem management.
- Microplastic pollution and their characterization in sewage waste water and soil and their impact on plant and animal growth performance.

SCOPUS ID:		Researcher ID:		Google Scholar ID:		VIDWAN ID:	
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Education

1994: Ph. D., Botany, Bharathiar University, Coimbatore, TN, India

1990: M. Phil., Botany, Bharathiar University, Coimbatore, TN, India

1988: M.Sc., (72.8%) Botany, Annamalai University, Chidambaram, TN, India

1986: B.Sc., (66.0%) Botany, Gobi Arts and Science College (Bharathiar University), Coimbatore, TN, India

Professional Experience (In Chronological Order after Ph. D. onwards)

- Served as Research Associate (CSIR-RA, New Delhi) in Department of Botany, Bharathiar University, Coimbatore, TN, India from 1995-1997.
- Served as Post-Doctoral Research Scientist in the Department of Metabolism and Nutrition, Instituto Del Frio, Spanish National Research Council (CSIC), Madrid, Spain from 1996-1997.
- Served as a Lecturer and Head in charge in the Department of Biochemistry, PGP College of Arts and Science, Namakkal, TN, India from June 1998-January 1999.
- Served as Alexander von Humboldt (AvH) Post-Doctoral Research Scientist in the Department of Animal Nutrition and Aquaculture, Institute for Animal Production in the Tropics and Subtropics, University of Hohenheim (480b), Stuttgart, Germany from 1999-2001.

- Served as Alexander von Humboldt (AvH) Senior Post Doctoral Research Scientist in the Department of Animal Nutrition and Aquaculture, Institute for Animal Production in the Tropics and Subtropics, University of Hohenheim (480b), Stuttgart, Germany from 2001-2003.
- Served as Senior Scientist in the Department of Animal Nutrition and Aquaculture, Institute for Animal Production in the Tropics and Subtropics, University of Hohenheim (480b), Stuttgart, Germany from 2003-2004.
- Served as Lecturer in the Department of Biotechnology, Karpagam Arts and Science College, Coimbatore, TN from 02. 06. 2004 to 19. 07. 2005.
- Served as Guest Lecturer in the Department of Botany, Bharathiar University, Coimbatore, From 2nd July 2006 to January 13th 2008.
- Served as Lecturer in the Department of Biotechnology, Bharathiar University, Coimbatore, TN from Jan 14th AN 2008 to Jan 31st FN 2009.
- Served as Reader in the Department of Environmental Sciences, Bharathiar University, Coimbatore, TN since Jan 31st AN 2009 to 31st AN of Jan 2012.
- Served as Associate Professor in the Department of Environmental Sciences, Bharathiar University, Coimbatore, TN since February 1st FN 2012 to 31st AN January 2015.
- Served as Professor in the Department of Environmental Sciences, Bharathiar University, Coimbatore, TN since 01.02.2015 FN to 30. 06. 2016 AN.
- Serving as Professor and Head in the Department of Environmental Sciences, Bharathiar University, Coimbatore, TN since 01. 07. 2016 FN to till date.

Additional Responsibilities (In Bharathiar University)

- Member, Board of Studies in Bharathiar University Department (UD), Department of Environmental Sciences, Coimbatore, 2009 onwards.
- Member, scrutinizing question papers for various examinations, Bharathiar University, Coimbatore between 30th and 31st, Oct. 2014.
- Question paper setter for M.Sc. Environmental Science Programme, School of Distance Education (SDE mode), Bharathiar University, Coimbatore, since 2015.
- Served as Question Paper setter (Subject: Environmental Sciences) for conducting common eligibility test for M. Phil and Ph. D Admissions at Bharathiar University, Coimbatore-46, since 2016
- Served as Course Coordinator to conduct the Summer Programme- Refresher course on Environmental Sciences (ID) Interdisciplinary Nature for College/University Teachers organized by UGC-Human Resource Development Centre, Bharathiar University, Coimbatore, 2016.
- Chairman of the PG results passing board and Board of Studies (UD), Environmental Sciences, Bharathiar University, Coimbatore, since 2016.
- Member, DST-PURSE Phase-I (New Delhi), Project implementing Group (PIG), Bharathiar University, Coimbatore from 2011 to 2016.
- Member, Documentation Verification Committee for NAAC, Bharathiar University, Coimbatore from 21st-23rd March 2016.
- Member of the Standing Committee on Academic Affairs-DES, Bharathiar University, Coimbatore-641046 effective from 22.06.2017.
- Member, Purchase Committee, Dept. of Environmental Sciences, Bharathiar University, Coimbatore since July 2017.
- Member, Ethical and Grievances Readdressal Committee, Bharathiar University, Coimbatore, 2016-17.

- Chairman, PG Board of Studies (SDE), Environmental Sciences, Bharathiar University, Coimbatore, since 2016.
- Appointed as member, TEM-Purchase Committee under DST-PURSE-Phase II, Bharathiar University, Coimbatore, Dec 2019.
- Appointed as member, Swachh Bharat Mission, Bharathiar University, Coimbatore, 23.09.2016 onwards.
- Co-ordinator, Department and Faculty Performance Assessment, Faculty of Sciences, Bharathiar University, Coimbatore, 2020.
- Chairman, BOS in M.Sc. Environmental Sciences, Verification of candidate admission for SDE mode in Bharathiar University, Coimbatore, 2020.

Awards/Fellowships

1. Awarded Visiting Scientist Fellowship at Institute of Feed Science, Zhejiang University, Zhejiang, P.R. China (2006).
2. Awarded Alexander von Humboldt (AvH) Senior Post Doctoral Research Fellowship, AvH Foundation, Bonn, Germany-2001-2003 at the Department of Animal Nutrition and Aquaculture, Institute for Animal Production in Tropics and Subtropics, University of Hohenheim (480b), Stuttgart, Germany (Host Professor: Dr. Klaus Becker) (Under long term cooperation programme).
3. Awarded Alexander von Humboldt (AvH) Post-Doctoral Research Fellowship, AvH Foundation, Bonn, Germany-1999-2001 at the Department of Animal Nutrition and Aquaculture, Institute for Animal Production in Tropics and Subtropics, University of Hohenheim (480b), Stuttgart, Germany (Host Professor Dr. Klaus Becker).
4. Awarded Fellowship for Intensive 8 week German language speaking certificate course- Grundstufe 1, (AvH Foundation, Bonn; Goethe Institut, Schwäbisch-Hall), Germany (Mar. 1999-Apr. 1999).
5. Awarded Post-Doctoral Research Fellowship by Spanish Ministry of Education & Science, Madrid, Spain-1996-1997 at the Department of Metabolism and Nutrition, Instituto Del Frio, Spanish National Research Council (CSIC), Madrid, Spain. (Host Professor: Dr. F. D. Saura-Calixto).
6. Awarded Travel Grants from Council of Scientific and Industrial Research (CSIR; letter No. 7/1(719)96-HRD; dt. 4.6.1996) and Department of Science and Technology (DST; letter No. SP/PF/260-B/96; dt. 20.6.1996), Govt. of India, New Delhi to attend and present a research paper in the International Conference on *Domestication, Production and Utilisation of New Crops; Practical Approaches* held at University of Southampton, Southampton, UK on 8th - 10th July, 1996.
7. Awarded a Research Associateship(RA) by Council of Scientific and Industrial Research (CSIR; letter No. 9/472(59)/95-EMR-I; dt. 11. 7. 1995), Govt. of India, New Delhi from 1995-1996 at Department of Botany, Bharathiar University, Coimbatore, TN, India.
8. Awarded a Senior Research Fellowship (SRF) by Council of Scientific and Industrial Research (CSIR; letter No. 9/472(24)92-EMR-I; dt. 21. 09. 1992), Govt. of India, New Delhi from 1992-1995 at Department of Botany, Bharathiar University, Coimbatore, TN, India.

Foreign Countries Visited:

UK, Spain, Germany.

Sponsored Projects

Completed : 6 (Rs. 64, 86,600)
Ongoing : 1 (Rs. 10,00,000)

Research Guidance

Ph.D. : Completed – 9; Ongoing - 6; M. Phil. : Completed -3; Ongoing – Nil
M. Sc. : Completed- 41; Ongoing- 3; PG Diploma – Nil; D.Sc. : Awarded – 2

Research Publications

Journals: International: 95 National: 3 Reports: 1
Conference Papers (Presented): International: 12 National: 43
Books: 1 **Book Chapters:** 1

Citation

Scopus Citation		Google Scholar Citation	
Total Citation	: 4918	Total Citation	: 9504
h-index	: 35	h-index	: 44
		i10 index	: 79

Five Significant/Recent Publications

- Microplastics and Nanoplastics-Contaminants of Emerging Concern in Freshwater Ecosystem. A Review on Its Sources and Ecological Risks. T. Haritha Nair and P. Siddhuraju. *Chemosphere (Communicated)* (2020).
- Effect of Domestic Sewage Waste Water Irrigation on Nutritional and Nutraceutical Perspectives of *Eleusine coracana* and *Zea mays* (raw and processed) from Selected Semi urban and Rural areas of Coimbatore, Tamilnadu. V. Dhanya, S. Roopika and P. Siddhuraju. *Human and Ecological Risk Assessment (In Press)* (2019).
- Effect of Processing Methods on Compositional Evaluation of Underutilized Legume, *Parkia Roxburghii* G. Don (Youngchak) Seeds. A. Sathya and P. Siddhuraju. *Journal of Food Science and Technology*, **52 (10)**, 6157-6169, (2015).
- *In vitro* Antioxidant, Antidiabetic, Cholinesterase and Tyrosinase Inhibitory Potential of Fresh Juice from *Citrus Hystrix* and *C. Maxima* Fruits. A. Abirami, G. Nagarani and P. Siddhuraju. *Food Science and Human Wellness*, **3**, 16-25, (2014).
- Influence of Pressure Cooking on Antioxidant Activity of Wild (*Ensete Superbum*) and Commercial Banana (*Musa Paradisiaca* Var. Monthan) Unripe Fruit and Flower. G. Sasipriya, C. Lintu Maria, and P. Siddhuraju. *Journal of Food Science and Technology*, **51(10)**, 2517–2525, (2014).

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