

3.Faculty profile:



Name: Dr.S.Kavitha

Qualification : M.Sc., M.Phil., Ph.D., NET.

Designation : Assistant Professor

Years of Experience: UG: 13 PG: 8

Previous Experience: UG: 4

Area of Specialization: Plant Pathology

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RESEARCH GUIDANCE

Ph.D. Awarded	-
Ph.D. Guiding	4
M.Phil. Awarded	4
M.Phil. Guiding	-

WORKSHOPS

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Environmental Monitoring research laboratory, Advanced Zoology and Biotechnology, Loyola College, Chennai	Regional	Three days Workshop on heavy metal analysis using Atomic Absorption Spectrophotometer	September 2016
2	Genetic Engineering School of Bio Engineering, SRM University	Regional	One day Workshop Application of Molecular docking in Drug discovery	February 2017.
3	Ethiraj College for Women	Regional	One day Workshop on Academics and Research 2017	February 2017.
4	IQAC, Ethiraj College for Women	Regional	One day Workshop on Performance Enhancement	March 2017
5	UGC cell Ethiraj College	National	Workshop on "Work Life Balance"	22 August 2017

6	D G Vaishnav College	State Level	Workshop on “Microscopy and Photomicrography ”	22 nd September 2017
7	Department of Plant Biology and Plant Biotechnology, Ethiraj College (Organizing Committee Member)	National	Workshop- Phytochemical techniques	27 th November 2017
8	Dean of Academics and Dean of Research, Ethiraj College	National	Workshop on Role and Responsibilities of Teachers In Institution Development	18 th December 2017
9	Department of Plant Biology and Plant Biotechnology, Ethiraj College (Organizing Committee Member)	National	Workshop on Carving skills – Vegetable carving	23 rd and 24 th July 2018
10	Internal Quality Assurance Cell, Ethiraj College	State	Workshop on NAAC Regulations: A Holistic Approach	12 th October 2019.
11	Internal Quality Assurance Cell, Ethiraj College	National	Workshop- Learning Management System and Open Educational Resources: A Student Centric Approach	25 th January 2020.
12	Faculty of Science, Annamalai University, in collaboration with ELSEVIER	National	Webinar on ‘Basic Author Workshop Research Article Writing & Reference Management Using Mendeley’	22 nd June, 2020

13	MBA department, Ethiraj College in association with SALIS	State Level	online Workshop on Working with Moodle platform	7 th and 8 th July 2020
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CONFERENCES ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National/International	Participated/Presented	Title	Date(s)
1	Ethiraj College in Collaboration with AZRA and Zoological Survey of India.	International	Organizing Committee Member	International Conference on Recent Advances in Life Sciences	11 th to 13 th February 2016
2	Ethiraj College for Women	National	Participated	National Symposium on “From potential for Excellence to Excellence in Higher Educational Institutions	July 2016.
3	Vels University, Chennai	National Conference on Biomaterials from Micro Organisms and Medicinal Plants for Human Welfare	Participated and presented	<i>In vitro</i> evaluation of antioxidants, antimicrobials and anti-inflammatory potential of <i>Caryota urens</i> L. leaf extracts	September 2016
4	Ethiraj College for Women, Chennai,	International Conference on “Biodiversity-Strategies for Conservation and Sustainable Utilization ”	Presented*	A study on phytoremediation of cadmium using ornamental plants and rhizobacteria.	1 st and 2 nd February 2018

5	Department of Plant Biology and Plant Biotechnology, Ethiraj College For Women, Chennai	National	Organizing Committee Member	Herbal Biodiversity and Health Management - New Strategies and Approaches.	7 th and 8 th February 2019
6	Sathyabama Institute of Science and Technology, Chennai	National Conference on “Marine Natural Products as Pharmaceutical Agents (NSMNP-2019)	Presented*	<i>In vitro</i> antioxidant and anti proliferative potential of crude polysaccharide from <i>Sargassum ilicifolium</i> (Tuner C. Agardh).	17 th and 18 th September 2019
7	Centre for Advanced Studies in Botany, University of Madras	International Symposium on “Biodiversity, Biology and Biotechnology of Algae (ISBBBA-2020)”	Presented*	Antioxidant and antiproliferative potential of crude polysaccharide from brown sea weeds	8 th to 10 th of January 2020
8	Ethiraj College for Women sponsored by NCBH	International Multidisciplinary Conference on Biosphere conservation - Emerging vistas in Sciences, Economics and Tamil Literature (BEST 2020)	Presented	Eco -Friendly Strategies For Management Of Bacterial Leaf Blight in Rice – An Overview.	17 th and 18 th February 2020.
9	Ethiraj College for Women sponsored by NCBH	International Multidisciplinary Conference on Biosphere conservation - Emerging vistas in Sciences, Economics and Tamil Literature (BEST 2020)	Presented	Composting of Agrowastes- A Boon for Environmental Sustainability	17 th and 18 th February 2020.

10	Department of Genetic Engineering, SRM Institute of Science and Technology, Kattankulathur	National – Plant Genetics and Genomics Conference 2020	Presented	Alleviation of plant stress using plant growth promoting rhizobacteria (PGPR)	January 23 rd and 24 th , 2020
11	Tamil Nadu Rice Research Institute, Aduthurai and Indian Institute of Food Processing Technology, Thanjavur.	International Global Rice Conference	Presented	Endophytes from traditional rice varieties- A promising source for plant growth promotion.	24 th to 25 th September 2021
12	ICAR-NIASM, Baramati, Pune	National conference on Plant Physiology	Presented (Virtual)	Plant Growth Promoting Rhizobacteria - An eco-friendly strategy for alleviating drought stress and growth promotion in plants	9-11th December 2021

***- Best Paper Award**

SEMINARS

S.no.	Organized by	State/national/international	Topic	Date(s)
1	Department of Botany, Government Arts College for Men	National Seminar on “Conserving Plants for Generating Livelihoods (NSCPGL- 2020)” sponsored by Tamil Nadu State Council for Higher Education (TANSCH).	Elicitation on <i>Solanum lycopersicum</i> Linn. by thiamine against early blight disease- An eco-friendly strategy for disease management (Presented paper)	12 th and 13 th March, 2020
2	Queen Mary’s College	National Seminar on “Exploring the Scope of Plant Science”	Banana spathe based compost and its effect as a substrate on the growth of rice plants (BEST PAPER AWARD)	9 th and 10 th January, 2020

CERTIFICATE COURSES /VALUE ADDED COURSES

Year	Position
Since 2007	Staff In charge of VALUE ADDED COURSE – Diagnostic Lab techniques, Department of Plant Biology and Plant Biotechnology

JOURNAL/ BOOK PUBLICATIONS

S.NO	JOURNAL NAME	UGC /SCI/SCIE /WOS	ISBN / ISSN NUMBER	REFERENCE	DATE OF PUBLICATION/ DOI
1	Proceedings of XV AZRA International Conference on “Recent Advances in Life Sciences”,		ISBN: S1-90 0947-3-7	Kavitha, S 2016. Effect of Rhizosphere bacterial antagonists in combination with disease resistance genes in suppression of sheath blight and blast diseases of rice. <i>In: proc. XV AZRA International Conference on “Recent Advances in Life Sciences”, 11th - 13th February, Ethiraj College for Women, pp 219-224</i>	February 2016
2	European Journal of Pharmaceutical and Medical Research	UGC approved	ISSN:2394-3211	Vanaja, D., & Kavitha, S. (2016). A study on phytochemicals, antioxidant activity and FTIR analysis of <i>Rhapis excelsa</i> (thunb.) A. Henry. <i>Eur J Pharm Med Res</i> , 3(7), 390-394.	June 2016
3	World Journal of Pharmaceutical Research	UGC approved	ISSN:2277-7105	Vanaja, D., & Kavitha, S. A. (2017). Study on the Bio-efficacy of <i>Caryota urens</i> L. <i>World Journal of Pharmaceutical Research</i> , 6(4), 1381-1398.	February 2017

4	International Journal for Research in Applied Science and Engineering Technology	Thomson Reuters	ISSN: 2321-9653	Punitha, S., & Kavitha, S. (2018). A study on microbe-assisted phytoremediation of cadmium by five different ornamental plants. <i>International Journal for Research in Applied Science and Engineering Technology</i> , 6(2), 937-948.	February 2018
5	Proceedings of International Conference on “Biodiversity strategies for conservation and sustainable utilisation”	-	ISBN 81-90 0947-3-9, 92-101	Punitha, S., & Kavitha, S. (2018). A study on phytoremediation of cadmium using ornamental plants and Rhizobacteria. Pp 92-101 <i>In: Proc. International Conference on Biodiversity-Strategies for Conservation and Sustainable Utilization</i> , Ethiraj College for Women, Chennai	February 2018
6	Biosphere Conservation-Emerging Vistas in Sciences, Economics and Tamil Literature (BEST- 2020) Ist Edition-Book chapter. New Century Book House Pvt. Ltd	-	ISBN: 978- 81- 2343-983- 9	Narmatha, S., Kavitha, S. and Punitha, S. (2020). Ecofriendly strategies for management of bacterial leaf blight in rice- An overview. Pp 684- 691 <i>In: Proc. Biosphere conservation-Emerging vistas in science, economics and in Tamil literature (BEST-2020)</i> , New Century Book House Pvt. Ltd., Chennai.	February 2020

7	Biosphere Conservation- Emerging Vistas in Sciences, Economics and Tamil Literature (BEST- 2020) Ist Edition- Book chapter. New Century Book House Pvt. Ltd	-	ISBN: 978- 81- 2343- 983- 9	Kavitha, S., Suganthi, S. & Sharmilee, S. (2020). Composting of agrowastes- A boon for sustainable environment. Pp 656-666 <i>In</i> : Biosphere conservation- Emerging vistas in science, economics and in Tamil literature (BEST- 2020), New Century Book House Pvt. Ltd., Chennai.	February 2020
8	Journal of Applied Biology and Biotechnology 2022	Scopus	ISSN: 2347- 212X	Suganthi S, Kavitha S. Application of banana spathe extracts and compost for improving growth in rice plants. J Appl Biol Biotech. 10(1): 112-119.	2022

FDP/STTP

S.no.	Organized by	State/National/ International	Topic	Date(s)
1	Centre for Ocean Research and department of Chemistry, Sathyabama Institute of Science and Technology in association with Ministry of Earth Sciences – Earth Science Technology Cell	National	Online FDP on Methodology and Data interpretation of Analytical instrumentation techniques	15 th June – 19 th June 2020

2	Department of Biochemistry, Ethiraj College for Women	National	Online FDP on Recent trends in Molecular Biotechnology	3 rd June – 4 th June 2020
3	Internal Quality assurance Cell, Ethiraj College for Women	National	Recasting from onsite to online Pedagogy	20 th July – 24 th July 2020
4	Ministry of Human Resource Development (MHRD), Government of India and Teaching Learning Centre, Ramanujan College, University of Delhi, Delhi	National	Comprehensive e-Learning to e-Training guide for Administrative Work	May 25 - June 05, 2020
5	Faculty of Science, Annamalai University in association with Elsevier,	National	Basic Author workshop research article writing and reference management using Mendeley	22 nd June 2020
6	Ministry of Human Resource Development (MHRD), Government of India and Teaching Learning Centre, Ramanujan College, University of Delhi, Delhi	National	Psychological skills for effective teaching and learning	1 st -7 th June 2021
7	Ministry of Human Resource Development (MHRD), Government of India and Teaching Learning Centre, Ramanujan College, University of Delhi, Delhi	National	Optimising ICT tools for higher education	18 th -26 th June 2021

WEBINARS [National/International]

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Department of Biochemistry, Ethiraj College for Women, Chennai	National	Patenting invention in India	16.5.2020
2	Bharathi Women's College, Chennai	National	Scope of Siddha Medicine in Management of Covid 19	19.6.2020
3	Nallamuthu Gounder Mahalingam College, Pollachi	National	Botanical prospecting	27.5.2020
4	Loyola College, Chennai	National	Research Methodology	17.7.2020
5	Department of Botany, Presidency College for Women, Chennai.	International	Novel Biotechnological approach to combat emerging disease with special focus on SARS associated Corona virus Therapeutics	26.6.2020
6	Department of Biochemistry, Ethiraj College for women, Chennai	National	Real time PCR in Molecular Diagnosis of Viral infections	27.7.2020
7	Bharathi Women's College, Chennai	National	Yoga for Women's Wellness	21.6.2020
8	Bioingene	International	Journey of rice research from salinity to fluoride stress response	31.12.2020
9	Bharathi Women's College, Chennai	International	Digital transformation across the Pharma value chain-focus on R and D and Man-labs	19.6.2020

10	B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur with Unnat Bharath Abiyan	National	Future perspectives in Biotechnology organized by School of Life Sciences	11.6.2020-12.6.2020
11	Loyola College, Chennai	National	Research Methodology	12.6.2020-13.6.2020
12	Department of Biochemistry, Ethiraj college for Women, Chennai	National	Medicinal plants-the potential therapeutic sources for human diseases and disorders.	9.5.2020
13	Department of Microbiology, Ethiraj College for women, Chennai	National	“ Alternative therapy- A way of living”	25.5.2020-29.5.2020
14	Bioingene	International	Genetic engineering approaches to develop climate smart rice	26.6.2021

AWARDS:

- Received Vocational Excellence Award from the Rotary Club of Madras Downtown (District 3230) in recognition of the services rendered in the field of education on the occasion of Teacher’s Day on 9th September 2018.

OTHERS:

- Resource person and Panel member in the Panel Discussion organized by The American Centre, US consulate General, Chennai on the topic “Ecosystem on the Edge” on 26th April, 2017.
- Enviro Club Convenor of Ethiraj College : 2015 – till date:
 - Organized National level competitions (4), Seminar (1), webinar (2), workshop (1), Invited lecture (1), Surveys (2), Interdepartmental competitions (2) and several awareness programmes.
- Participated and Completed training on Vermicomposting conducted at TNAU information and Training Centre, Chennai on 24.3.2019.
- Serving as COE Link from 2013-2014 onwards till date.