

1. Name : Dr.k.Rajalakshmi
2. Designation : Assistant professor of Botany
3. DOB : 10/10/1982
4. Address : No.14 Srisankara garden, Achupatti, pollachi-2.
5. Email id : ecoraji@gmail.com
6. Phone number : 91 98940 68014
7. Educational Qualification : MSc., MPhil.,C.G.T., PhD.
8. Academic Qualifications : MSc., MPhil.,C.G.T PhD.
9. Teaching Experience : 13 Years
10. Area of interest : Environmental Biotechnology
11. Professional bodies
 - **Board of Member** in Department of Botany, N.G.M. College (Autonomous), Pollachi, (2009 onwards)
 - **Board of Member** in Department of Botany, The Madura College (Autonomous), Madurai, (2004-2007).
 - **Board of Member** in Department of Environmental Biology, Sri Meenakshi Government College for women, Madurai, (2005-2006).
 - **Organizing Committee member**, in State Level Seminar cum Exhibition on **Herbal resources and remedies** conducted by Department of Botany, NGM College, Pollachi . (03.09.2009 to 04.09.2009)
 - **Organizer and Convenor**, in **Clonesfest**, a Regional level seminar and Inter-collegiate on **Biotechnology, Past, Present and Future!** , The Madura College, Madurai (2006).
 - **Board of Member** in Department of Environmental Biology, Sri Meenakshi Government College for women, Madurai.(2004-2005).
 - **President** in “Vizhuthugal”, a service organization managed by college students of Madurai, (2000 – 2002).

- **Convenor**, Planning Committee in Kathambam – a Public flower show, organized by The American College, Madurai, 2001.

12. Research Guidance for Ph.D : Nil

M.Phil. degrees :

In vitro regeneration and Salt stress on the embryonal explants of *Phaseolus vulgaris* L., M.Sc Dissertation, SACWC, Cumbum. (2007-2008)

Studies on the Antimicrobial activity of *Syzygium cuminii* against UTI causing organisms, Mphil Dissertation, Periyar University, Salem. (2006-2007)

Isolation and Partial characterization of cellulase produced by *Aspergillus spp.*, Mphil Dissertation, Periyar University, Salem. (2006-2007)

Screening and Evaluation of Phytochemicals from *Cassia obtusa*, Mphil Dissertation, Periyar University, Salem. (2006-2007)

Comparative study on degradative efficiency of a few fungal species isolated from municipal solid waste, Mphil Dissertation, Periyar University, Salem. (2006-2007)

Ethno botanical studies on selected medicinal plants of Sirumalai Hills, Mphil Dissertation, Periyar University, Salem. (2006-2007)

Evaluation of Farm Ponds on the agroecosystems of Tirumangalam, Mphil Dissertation, Periyar University, Salem. (2006-2007)

Ethnobotanical studies on selected taxa of South Western Ghats, Mphil Dissertation, Periyar University, Salem. (2006-2007)

13. Seminar, Workshop, Conference attended:

- Participated in the International Seminar on **Emerging Contaminants and Environmental Remediation** in the Department of Environmental Science, School of Life Sciences, Periyar University (January 2015).
- Participated in one Day National workshop on **Antioxidants and Human Health** at Sri G.V.G. Visalakshi College for women, Udumalpet (March 2014).
- Participated and presented a poster on **Phytoremediation of chromium using selected weeds** in *UGC sponsored National Conference on Green Technology* conducted by Department of Chemistry, NGM College, Pollachi p -66. (18.02.2010 to 19.02.2010)

- Participated in a International Seminar on ***Biotechnology: UK & Indian Perspectives***, organized by British Council, Chennai and Anna University, Chennai at Chennai (11.09.2009)
- Participated in a Regional seminar on **Recent trends in Biology**, organized by Research wing of Biological sciences, Naesam trust, Madurai. (January 2007).
- Participated in a Interstate **consultation on Mullai Periyar Issue**, Center for Experiencing Socio-cultural interactions, Madurai. (January 2007)
- Participated in All **India Young Scientists Program XXX** Indian Social Science Congress, held in Alagappa University, Karaikudi. (December 2006).
- Participated in a National Seminar on **Environmental Genomics** in Bharathidasan University, Trichy. (March 2006).
- Participated in a Regional Seminar on **Beyond Field Research: Interface between plants and communities**, in The American College, Madurai. (November 2005).
- Attended a UGC sponsored State Seminar on **Choice Based Credit System**, in The Madura College, Madurai. March 2005
- Participated in the Training on Biodiversity Act, 2002 at Institute of Forest Genetics and Tree Breeding, Coimbatore, sponsored by National Biodiversity Authority, Chennai.(12.03.2015 to 13.03.2015)
- Participated in the Refresher Batch XII on **Latest trends in Biological Sciences** at University of Madras, Chennai (12.11.2014 to 02.12.2014)
- Participated in **Basic Techniques in Plant Molecular Biology**, DBT sponsored short-term Hands-on training course, organized by Jamal Mohamed College, Tiruchirappalli. (18.04.2011 to 03.05.2011)
- Participated in the **88thorientation course** at Bharathiar University, Coimbatore (12.05.2011 to 08.06.2011).
- Participated in a training course for college teachers entitled **Biodiversity conservation and characterization using Biotechnology tools** held at TBGRI, Thiruvananthapuram sponsored by **DBT**, Government of India. (12.03.2007 to 02.04. 2007)
- Participated in the National level workshop on “Antioxidants and Human health” organized by the Department of Botany and Zoology, G.V.G. College for Women, Udumalpet on 4th March 2014

- Participated in an International seminar on ““Emerging Contaminants and Environmental Remediation-2015” organized by Role of teachers in promoting Green and clean India” organized by Department of Environmental Sciences, School of Life Sciences, Periyar University, Salem on 27th January 2015.

14. Faculty Development program attended:

- Attended the refresher course on “Advances in Biochemical sciences and drug discovery” organized by Academic Staff College, Madras university, Chennai from 12th November to 2nd December 2014.
- Participated the training programme on “ Training on Plant Biodiversity” organized by the Institute of Forest Genetic and Tree Breeding, Coimbatore from 11th March 2015 to 12th March 2015.

15. Major project : Nil

16. Lectures delivered : Nil

17. Presentations :

- Presented a poster on ***In vitro* conservation of Zingiberales: A new perspective from direct and indirect somatic embryogenesis of selected species of Zingiberaceae** in *International Seminar on Advancements in Angiosperm Systematics and Conservation 2015* at University of Calicut, Kerala organized by Indian Association for Angiosperm Taxonomy and International Association for Plant Taxonomy, p-53. (November 2015)
- Presented a poster on **Gelatin coated iron oxide nanoparticles for targeted delivery of anticancer drugs** in *DBT-CTEP, CSIR sponsored National Seminar cum Workshop on Nanomedicines*, at Lady Doak College, Madurai p-50. (03.03.2010 to 04.03.2010)
- Presented a paper on **Bioaccumulation of hexavalent chromium in *Arachis hypogea* L.** in *XXXII All Indian Botanical Conference and International Symposium on Diversity of Plants and Microbes: Present Scenario*, at Kuvempu University, Shimoga District, Karnataka p – 172. (28.12.2009 to 30.12.2009)

18. Research publications:

- **Arachis Bioassay for soil contaminated with hexavalent chromium.** In: Recent Research in Science and Technology. 2010. 2(6):110-115.

- **Cr (VI) mediated morphogenetic changes in embryonal and somatic explants of *Arachis hypogea (L)*** In: Eco chronicle. March 2007, pp 33-40.
- **Rapid Clonal multiplication of *Caesalpinia bonduc* ROXB: A potential medicinal plant.** In: Asian Journal of Microbiology, Biotechnology and Environmental Sciences. Vol.10, No. (2): 2008:329-332.

19. Research/popular articles published:

- Article on **Student's Campaign against use of Plastic bags**, The Hindu, dated 26.05.2001
- Article on **War on Plastic bags**, The Hindu, dated 01.07.2001.