

PROFILE



Dr. P. JAYANTHI MSc., Ph.D.

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Name : Dr. P. Jayanthi

Designation : Assistant Professor
Department of Environmental Science
Periyar University
Salem – 636 011

Research Specialization & Field of interest : Environmental Toxicology,
Environmental Biomonitoring and Risk
Assessment

ACADEMIC QUALIFICATION

2012 - Ph. D in Environmental Science - Salim Ali Centre for Ornithology and Natural History (SACON), affiliated to Bharathiar University, Coimbatore, Tamilnadu, India.

Thesis Title: “Organochlorine pesticide residues in the marine fishes of Coimbatore market - Suitability for human consumption”

2004 - MSc in Environmental Sciences - Bharathiar University, Coimbatore, Tamilnadu, India.

2002 - BSc in Botany - NKR Govt Arts and Science College for Women, Namakkal affiliated to Periyar University, Salem

RESEARCH AND WORK EXPERIENCE:

Assistant Professor in the **Department of Environmental Science, Periyar University**, Salem, Tamilnadu from **August 2013 – till date.**

Assistant Professor in the **Department of Microbiology** at **K S Rangasamy College of Arts and Science**, Tiruchengode, Namakkal District, Tamilnadu from **June 2009 – July 2013.**

As a Research Fellow in various projects carried out at **Ecotoxicology Division, Salim Ali Centre for Ornithology and Natural History (SACON)**, Coimbatore, Tamilnadu, India. from **August 2005 to May 2009.**

Subjects handled: Fundamentals of Environmental Science, Environmental toxicology, Environmental microbiology, Environmental biotechnology, Molecular biology etc.,

TECHNICAL EXPERIENCE

- Instrumentation and environmental contaminant analysis (GC, HPLC, AAS)
- Method development works in the laboratory
- Soil, Sediment, Water and Air Quality Analysis
- Nutrient analysis in soil, plants and fertilizers
- Biochemical studies related to enzymes
- Impact and Risk Assessment Studies
- Monitoring and Field studies related to environmental pollution
- Ecological works related to environmental pollution
- Toxicological works related to environment
- Bioremediation and Cytogenetics works
- Commercial Sample processing and analysis works

PUBLICATIONS:

(i) Journals

1. Muralidharan S, Dhananjayan V and **Jayanthi P** (2009). Organochlorine pesticide residues in the commercial marine fishes of Coimbatore and their suitability for human consumption (*Environmental Research*, 106; pp 16 – 21)
2. Dhananjayan, V., S. Muralidharan, and **Jayanthi P.** (2011). Distribution of persistent organochlorine chemical residues in

blood plasma of three species of vultures from India. Environmental Monitoring and Assessment 173:803-811.

3. Palanivelan R, Rajakumar S, **Jayanthi P** and Ayyasamy P M (2013). Potential process implicated in bioremediation of textile effluents: A review; Advances in Applied Science Research, 2013, 4(1):131-145
4. **Jayanthi. P** and Muralidharan S (2014). Occurrence of organochlorine pesticides residues in edible marine fish *Scomberomorus commersonn* (Vanjram) and its suitability for human consumption, International Journal of Environmental Sciences, Volume 5, No (1): 223- 230.

(ii) Proceedings/ Seminars/ Conferences presentation and participation

1. **Jayanthi. P**, Dhananjayan V, Muralidharan S - paper on Pesticide residues in marine fishes available in Coimbatore market and their suitability for human consumption. In the National seminar on “Conservation of Agro-Biodiversity in India - The role of stakeholders” held during December 27-30, 2004, at GRD College of Science, Coimbatore.
2. **Jayanthi. P**, Alaguraj A, Muralidharan S - paper on Organic contaminants in marine fishes available in Coimbatore market and their suitability for human consumption. In the National seminar on “Emerging New Trends in Chemistry” held during November 28 2006, at GRG Krishnammal College for Women, Coimbatore.
3. **Jayanthi. P**, Muralidharan S - paper on ‘Accumulation of persistent DDT Metabolites in the marine fishes of Coimbatore’ at International conference on environment and occupational health – 2009 held at ROHC – NIOH, Bangalore during 16-19th September 2009.
4. **Jayanthi. P**, Muralidharan S - paper on ‘Monitoring of organochlorine residues in the marine fishes and their suitability for human consumption’ at National conference on Agricultural productivity, Environmental Management and Food Security’ held at SAB, Mangalore during 20-22nd August 2010.
5. **Jayanthi P**, Brundha Devi. P - paper on ‘Elab Note Book (ELN)- A Modern tool for Life Science Professionals’ in National Seminar on Inculcating Innovative Teaching and Learning Methods for Quality Education ’ held at K S Rangasamy College of Arts and Science during 13th -14th July 2012.

6. **Jayanthi. P**, Muralidharan S - paper on 'Temporal variation in the organochlorine residues in the coastal regions of India' at International conference on 'Science and Technology for Clean and Green environment' held at Annamalai University, Chidambaram during 27th – 28th July 2012.
7. **Jayanthi. P**, Muralidharan S - paper on 'Status of organochlorine pesticide residues in the Indian marine fishes at International Conference on Environment and Occupational Health - 2012 held at Manipal University, Uduppi during 20-22nd December 2012.
8. L. Sivakumar, **P. Jayanthi**, L. Premitha Devi and P. Tamilarasan (2014) A study on growth of the earthworm *Lampito mauritii* in soil containing different wastes. National Seminar on "Frontiers in Environmental Research and Applications (FERA 2014)" held on February 18, 2014 organized by Department of Environmental Science, Periyar University, Periyar Palkalai Nagar, Salem – 636 011, TN, India.
9. Gaithuilung, R., P.Senthilkumar, **P.Jayanthi**, L.Sivakumar and P.Thangavel (2014) Impact of invasive species on biodiversity. National Seminar on "Current Trends in Biodiversity Conservation and Forest Management (CTBCFM 2014)" held on January 06-07, 2014 organized by Centre for Biodiversity and Forest Studies, Periyar University, Periyar Palkalai Nagar, Salem – 636 011, TN, India. Abstract No. AB-43 Page 69.
10. Dr. P. Thangavel , Dr. P. Senthilkumar, **Dr. P. Jayanthi** - National Seminar on "Current Trends in Biodiversity Conservation and Forest Management (CTBCFM 2014)" held on January 06-07, 2014 organized by Centre for Biodiversity and Forest Studies, Periyar University, Periyar Palkalai Nagar, Salem – 636 011, TN, India. Abstract No. AB-44 Page 70.
11. Dr. P. Thangavel , Dr. P. Senthilkumar, **Dr. P. Jayanthi** - National Seminar on "Current Trends in Biodiversity Conservation and Forest Management (CTBCFM 2014)" held on January 06-07, 2014 organized by Centre for Biodiversity and Forest Studies, Periyar University, Periyar Palkalai Nagar, Salem – 636 011, TN, India. Abstract No. AB-44 Page 70.

(iii) Reports

1. Lalitha Vijayan, Prasad SN, Muralidharan S, Bhupathy S, Dhananjayan V, Zaibin AP and **P Jayanthi** (March 2007). Mumbai Trans Harbour Sea Link (MTHL) Project: Study of Flamingos and Migratory Birds. Second Interim Report submitted to Maharashtra State Road Development Corporation (MSRDC), Mumbai.

2. Lalitha Vijayan, Prasad SN, Muralidharan S, Bhupathy S, , Somasundaram S, Jayakumar R and **P Jayanthi** (August 2007). Mumbai Trans Harbour Sea Link (MTHL) Project: Study of Flamingos and Migratory Birds. Annual Report submitted to Maharashtra State Road Development Corporation (MSRDC), Mumbai.
3. Lalitha Vijayan, Prasad SN, Muralidharan S, Bhupathy S, Dhananjayan V, **P Jayanthi** and Ezhilarasi N (August 2008). Mumbai Trans Harbour Sea Link (MTHL) Project: Study of Flamingos and Migratory Birds. First Interim Report (Phase II) submitted to Maharashtra State Road Development Corporation (MSRDC), Mumbai.

POSITIONS HELD/ AWARDS/ RECOGNITION.

Received Proficiency Award for Undergraduate studies – NKR Govt Arts and Science College for Women, Namakkal between 1999 – 2002.

Received several prizes and awards from Fine Arts Association for participation in cultural events organized at NKR Govt Arts and Science College for Women, Namakkal between 1999 – 2002.

University Gold Medal – BSc., Botany at Periyar University in the year 2002

ISO Coordinator – Department of Microbiology – K S Rangasamy College of Arts and Science (2012-13)

Placement Coordinator – Department of Microbiology – K S Rangasamy College of Arts and Science (2011-12)

Board of Studies - Chairman (UG) & Member (PG) - Department of Microbiology – K S Rangasamy College of Arts and Science (2012-13)

Resource Person – Workshop & Training - Instrumentation & Analytical techniques.

Best Presentation award at National conference on Agricultural productivity, Environmental Management and Food Security' held at SAB, Mangalore during 20-22nd August 2010.

Organising Member for National seminar on Frontiers in Environmental Research and Applications organized by the Department of Environmental Science, Periyar University on 18th February, 2014.