



Curriculum Vitae

Dr. J. PRASANNA

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Objective

- To be research oriented academician and to chase a challenging profession in foremost organization and to make an effort towards achieving dream of the organization

Working Experience

- Working as an Assistant Professor, Dept. of Biotechnology and Microbiology, National College, Trichy from August 2024 to till
- Worked as an Assistant Professor, Dept. of Microbiology, Vivekanandha Arts and Sciences for Women (Autonomous), Elayampalayam, Tiruchengode, Namakkal from August 2022 to 2024 May.
- Worked as a Research Associate in project and Research guidance for M.Sc dissertation 2020 to 2022 July.
- Worked as a Guest Lecturer in Dept. of Marine & Costal Studies, Madurai Kamaraj University, Madurai from 2017 to 2018.

Research Experience

- **B. Sc.**, Dissertation, Entitled “Isolation of Lipase producing organisms from oil waste” **(one semester) (Soil pollution)**
- **M. Sc.**, Dissertation Entitled “Characterization of heavy metal tolerant Rhizobia” **(One semester). (Plant Sciences)**
- **M. Phil.**, Dissertation Entitled “Primary evaluation of carbon sequestration potential of carbon level in Karankadu mangrove forest, Ramanathapuram district, Tamil Nadu, India” **(One year) (Plant Sciences)**
- **Ph.D.**, Entitled – “Evaluation of carbon sequestration potential of Chinnapalam mangrove forest in Pamban, Southeast coast of India” **Six years) (Plant Sciences)**
- **Assistant Professor.**, “Biodegradation studies in Mangrove pollutions, Green Nano particles, Carbon Sequestration in mangroves **(One & Half years)**

Education Qualification

- ❖ **Doctor of Philosophy (Ph.D)** in Microbiology at Madurai Kamaraj University, Madurai, Tamil Nadu, India (2011 – 2016), under supervision of Senior Professor **Dr. A. K. Kumaraguru**, Former Vice-Chancellor, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.

- ❖ **Master of Philosophy (M. Phil)** in Environmental Sciences (**79.83%**) Madurai Kamaraj University, Madurai, Tamil Nadu, India (2010-2011)
- ❖ **Master of Science (M.Sc)** in Microbiology (**77.30%**) N.M.S.S.Vellaiswamy Nadar College, Madurai, Tamil Nadu, India. (2007-2009)
- ❖ **Bachelor of Science (B.Sc)** in Industrial Microbiology (**68.05%**) Thiagarajar College, Madurai, Tamil Nadu, India. (2004-2007).

Paper Publications

- Janani Rajendran, **Prasanna Jeyaraman***, Elamathi Sakthivel; Abdulrahman I. Almansour; Dr Pandian Bothi Raja (2024). Chemical free, bio-Intercalation of selenium nanoparticles for highly accelerated photo-responsive of organic contaminants debasement and their in-vitro anti-bacterial agents, anti-oxidants effect, cyto-toxic analysis. Environmental Research, manuscript number: **ER-24-5721**.
- M. Kaviya Devi, R. Janani, **J. Prasanna***, Natarajan Arumugam, Sinouvassane Djearamane, Ling Shing Wong & Saminathan Kayarohanam (2024). Simple Biotic; spinel CoFe₂O₄ nanosphere for textile pollutant removal by photoresponsivity process and Anti-Microbial analysis. Journal of King Saud University – Science [Communicated]
- Kowsika Shanmugam, Elamathi Sakthivel, Janani Rajendran and **Prasanna Jeyaraman*** (2024). Nanoparticles in Aquatic Ecosystems: Origins, Destiny and Ecological Consequences. Environmental Science Archives. 3(1) 111-124.
- **Prasanna Jeyaraman***, Janani Rajendran, Elamathi Sakthivel, Sathya Thangaiyanadar Ayyappan, Gautam Kannathasan & Jayakumar Kannan (2024). Mangrove Bacterial Consortiums Erasing Benzo[a]pyrene Menace from Karankadu, Palkbay, Southeast coast of India. Bulletin of Environment, Pharmacology and Life Sciences, 13(2) 2024. [Accepted]
- S. Elamathi, S. Kowsika, R. Janani & **J. Prasanna*** (2024). Exploiting microbial synergy for enhanced plant resilience and growth in saline environments. Bulletin of Environment, Pharmacology and Life Sciences, 13(2) 2024. [Accepted]
- M. Srimathi, V. Vasugi, K. Gautam, R. Janani, **J. Prasanna***. 2023. A review of plastics global dread in mangrove ecosystems. *Advances in BioResearch* 14 (4/5) [Accepted].
- **J. Prasanna***, M. Anand, K. Gautam, K. Jayakumar, K.M. Tullanithi. 2023. Estimating carbon storage potential of Chinnapalam mangrove, Southeast coast of India using Allometric methods. *International Journal of Ecology and Environmental Sciences* 5(1): 9-14.
- **Prasanna J***, Gautam K, Indhumathi R & Muneeswaran T. 2012. Isolation and optimization of Lipase producing organisms from Oil amended soil. *Journal of Bioscience Research* 3(3):214–219.
- **Prasanna J**, Seshapriya Ve, Anand M* & Kumaraguru A. K. 2017. Biodiversity assessment of crabs, gastropods and bivalves in Chinnapalam creek, of the Southeast coast of India. *Indian Journal of Geo marine Sciences*, 46(09): 1751-1757.
- **Prasanna J**, Anand M*, Vijayasekaran D & Kumaraguru A. K. 2017. Allometric model for Estimating above ground biomass and carbon storage in Karankadu mangrove

swamp, Palkbay, Southeast coast of India. *Indian Journal of Geo marine Sciences*, 46(08): 1682-1692.

- Gautam K*, **Prasanna J**, Mahadevan G, Mahendran S and Sahu S.K. 2013. Isolation, identification of *Pseudomonas Pseudoalcaligenes* GR1 from marine sediments and screening of its antibacterial potential. *International Journal of Recent Scientific Research* 46(08): 1682–1692.
- Anand M*, Karthikeyani R, **Prasanna J**, Muthuchelian K and Daniel B.A. 2015. Invertebrate diversity and community livelihood activities at Chinnapallam village, Gulf of Mannar – a preliminary survey. *ZOO'S PRINT Magazine* 30 (6): 1–3.

Conference Proceeding Full length publication

- A. Malarvizhi*, **J. Prasanna**, T. A. Sathya, R. Janani, K. Gautam (2023). Quality of higher education in India and the role of NAAC, NAAC sponsored National level Seminar on Role of IQAC in Quality Enhancement of Higher Education Institution, 46-51, ISBN: 978-93-95214-20-9, Mayas Publications, Tamil Nadu
- **J. Prasanna**, R. Janani, A. Malarvizhi, K. Gautam, T. A. Sathya (2023). An Overview of the Challenges Faced by India's Emerging E-Learning Trend. NAAC sponsored National level Seminar on Role of IQAC in Quality Enhancement of Higher Education Institution, 52-56, ISBN: 978-93-95214-20-9, Mayas Publications, Tamil Nadu
- T. A. Sathya, **J. Prasanna**, R. Janani, A. Malarvizhi, K. Abirami, C. Mariappan (2023). NAAC sponsored National level Seminar on Role of IQAC in Quality Enhancement of Higher Education Institution. 57-60, ISBN: 978-93-95214-20-9, Mayas Publications, Tamil Nadu
- R. Janani, **J. Prasanna**, A. Malarvizhi, T. Shankar, T.A. Sathya (2023). NAAC sponsored National level Seminar on Role of IQAC in Quality Enhancement of Higher Education Institution, 78-83, ISBN: 978-93-95214-20-9, Mayas Publications, Tamil Nadu.

Book Published

- **Associate Editor:** Proceeding on National Workshop on Ocean Acidification Research (NWOAR 2015) Conducted on 25 – 27.02.2015 in the Department of Marine and Coastal Studies, School of Energy Sciences, Madurai Kamaraj University, Madurai, Tamil Nadu. (ISBN: 978-81-7735-818-6)
- **Associate Editor:** Conference proceeding International Conference on “Contemporary research for the sustainable development of biological sciences” (ICCRSDBS 2023) Conducted on 01–02.02.2023 organized by Department of Biological Sciences, Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam, Namakkal
- **Associate Editor:** Conference Proceeding International Conference on “Climate Resilience–Unraveling Molecular Solutions for Sustainable Future” (ICCRMSSF-2024) Conducted on 15–16.02.2024 organized by Department of Biological Sciences, Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam, Namakkal, Tamil Nadu (ISBN: 978-1-7393132-8-9)

- D. Siva, T.A. Sathya, **J. Prasanna**, K. Abirami, A. Shanmugarathinam, Textbook of Microbiology, Aug 2023, Published by Association of Indian Biologists Publications, Tirupattur, Tamil Nadu (**ISBN: 978-93-93968-20-3**).

Book Chapter

- K. Gautam, R. Sankar, **J. Prasanna**, S. Mahendran, P. Mahewari, M. Nivetha, Book chapter entitled, “Microbial synthesis of Exopolysaccharides and its applications”, Sep 2023, Published in Current Advances in Biosciences, Namakkal, Tamil Nadu (**ISBN: 978-93-94638-64-8**).
- R. Janani, **J. Prasanna** & R. Amutha (2024). “Design, Structural components and types of bioreactors, Advances in Industrial Microbiology” **pp.** 25–34. (**ISBN: 978-81-965174-8-9**).
- K. Gautam, R. Sankar and **J. Prasanna** (2024). “Microbial Production of β -Carotene and Xanthophyll, Advances in Industrial Microbiology” **pp.** 152–157. (**ISBN: 978-81-965174-8-9**).

Reviewer & Editor

- Active IJRD RMS (Reviewer) member of the esteemed journal of International Journal of Novel Research and Development (ISSN: 2456-4184). **Member ID: 111753**.
- Active IJRD RMS (Reviewer) member of the esteemed journal of International Journal of Creative Research Thoughts (ISSN: 2320-2882). **Member ID: 118144**.
- Active Editorial Member of "International Journal of Ecology and Environmental Sciences".

Faculty development Program

Participated in the FDP on Global Business Foundation Skills”, a Corporate Social Responsibility initiative conducted by Infosys BPL Ltd at Mysore from 19th September to 27th October 2023.

Presentation

- ❖ Presented research paper, one day International Seminar on “Biotechnika-Career Opportunities” organized by Departments of Biotechnology & Microbiology, Padmavanai Arts and Science College for Women, Salem, Tamil Nadu on 24.03.2023.
- ❖ Presented Review paper, An Overview of the Challenges faced by Indian’s Emerging E-Learning Trends, NAAC sponsored seminar on 07.06.2023.
- ❖ Presented Research paper, Proceedings of International Conference on Advances In Biotechnology “Research, Innovations And Entrepreneurial Venues —An Outlook” Entitled “Enhancement of Biodiesel Production from CO₂ Enriched Algal Biomass” (**Proceeding published ISBN No: 978-93-5701-598-1**).
- ❖ Presented Research paper in Energy Fest ’14, Entitled “Estimation of Above ground carbon storage in Karankadu mangrove swamp, Palkbay, Southeast coast of India organized by School of Energy, Environment and Natural Resources on 28.03.2014.
- ❖ Poster presented Research paper in Energy Fest ’14, Entitled “Isolation, Identification of

Pseudomonas sp. from Chinnapalam mangrove sediments and screening of its antibacterial potential, organized by School of Energy, Environment and Natural Resources on 28.03.2014.

- ❖ Presented Research paper in “National conference on Energy, Environment and Climate change” (NCEEC) organized by Department of chemistry, Presidency college, Chennai on 18 & 19. 07.2013.
- ❖ Presented in 5th Inter collegiate seminar cum contest “Recent trends in microbial biotechnology” by Department of microbiology, Kamaraj College, Thoothukudi on 22 & 23.02.2008.
- ❖ Presented in Inter college student seminar, “The story of DNA” conducted by Department of Zoology and Microbiology, Thiagarajar college, Madurai on 29.09.2005.
- ❖ Presented in Intercollegiate student’s seminar, “Impact of Genomics on anti-microbial drug discovery and toxicology, conducted by Department of Zoology and Microbiology, Thiagarajar College, Madurai on 24.09.2007.

Merit certificate

- Awarded **Rajiv Gandhi National Fellowship (RGNF)** during 2011 to 2015, for the financial assistance of Ph.D Research.
- Awarded First rank in the subject “General Microbiology” in summative Examination in November 2007 in N.M.S.S.V.N College, Nagamalai, Madurai.
- Awarded Second rank in the Subject “Biochemistry” in summative Examination of November 2007 in N.M.S.S.V.N College, Nagamalai, Madurai.
- Awarded Second prize in Quiz competition in 5th intercollegiate seminar cum contest on “Recent trends in microbial biotechnology” held at Department of Microbiology, Kamaraj College, Thoothukudi on 22 & 23.02.2008.
- Awarder Best Oral presentation in the National conference on Energy, Environment and Climate change (NCEEC), Entitled status of carbon sequestration by mangrove species in Karankadu region, Palkbay, Tamil Nadu” organized by Department of Chemistry, Presidency college, Chennai held on 18 & 19.07.2013.

Seminars, Symposia, Training Program Attended/Organized

- Participated on National Conference on “The Impact of Artificial Intelligence in the immediate future in all walks of Life” organized by the Kodaikanal Christian College, on 14.09.2023 & 15.09.2023.
- Participated on National Seminar on Impact of Environmental Toxicants in Human life’s organized by Department of Biotechnology, College of Science and Humanities, SRM Institute of Science & Technology on 13.06.2023
- Participated Seminar on Modern Trends in Sciences, organized by Department of Chemistry & Biotechnology, Bon Secours Arts and Science College for Women, Namakkal, Tamil Nadu, held on 27.03.2023

- Completed Awareness training on ISO 22000:2018, Food Safety Management Systems standards on 30.10.2022 organized by MTR Consulting and Training, UAE.
- Participated International Webinar, 'Covid-19 Vaccine Development' organized by Department of Microbiology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi dated on 15.05.2020.
- Participated Hands-on training on Cost effective spectroscopic techniques held on 23.09.2019 to 24.09.2019 organized by IQAC, CMRD, Department of Chemistry, Vivekanandha college of Arts and Sciences for Women, Tiruchengode, Namakkal.
- Participated One day National Seminar on Research Paper Writing & Patent filing, organized by Department of Biotechnology & Microbiology of Vivekanandha College of Engineering for Women & Vivekanandha College of Arts & Science for Women on 24.08.2016.
- As a organizing committee member of National Workshop on Ocean Acidification Research (NWOAR- 2012), by Department of Marine and Coastal studies, Madurai Kamaraj University, Madurai held on 25 – 27.02.2015.
- As a Team Coordinator in International Coastal Cleanup Day at Seeniappa Dhargha Beach during the awareness programme on cleanliness in the Gulf of Mannar region, Ramanathapuram District held on 19.09.2014.
- Participated in the National Training programme on Biodiversity of Marine Molluscs sponsored by Ministry of Human Resources Development organized by Centre of Advanced study in Marine Biology, Faculty of Marine Sciences, Annamalai University -Parangipettai on 13 & 14.03.2014.
- As a Organizing committee member for the National Level Short- Term Hands on training in “Recent Advances in Marine Ecotoxicological Testing (RAMETOX- 2013) organized by Department of Marine and Coastal studies, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai held on 11 – 13.09.2013.
- As a Team Coordinator in International Coastal Cleanup Day at Seeniappa Dhargha Beach during the awareness programme on cleanliness in the Gulf of Mannar region, Ramanathapuram District held on 21.09.2013.
- Participated in the National Conference on “Atomic Energy for Socio Economic Development of the Country” organized by Department of Futures Studies, Madurai Kamaraj University, Madurai held on 02.09.2013.
- Participated in the 100th Science Congress held at Calcutta University, Kolkata on 03 – 07.01.2013.
- As a organizing committee member of National Workshop on Ocean

Acidification Research (NWOAR- 2012), by Department of Marine and Coastal studies, Madurai Kamaraj University, Madurai held on 12 – 14.12.2012.

- Participated in the capacity building programme in statistics for Environmentalists organized by the School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai on 30.11.2012 – 03.12.2012.
- Participated in the DBT sponsored National workshop on “QUEST- 2012 Hands on Training in Molecular Biological Techniques” organized by Microbial biotechnology laboratory, Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli on 5 - 9.11.2012.
- Participated in the National Seminar on “Advances in Genomics and Proteomics” organized by the Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli on 05.11.2012.
- Participated in the International Workshop and Conference on “Renewable Energy and Climate Change- Exploring Opportunities for Sustainable Development” organized by School of Energy, Environment and Natural Resources, Madurai Kamaraj University, 05 – 07.04.2012.
- Participated in the program on “Science Academies Lecture Workshop on Carbon Sequestration in Mitigation of Global Warming (SW-CMGW 2012) organized by the Department of Environmental Sciences, Bharathiar University, Coimbatore on 20.03.2012.
- Participated in “A training programme on Reduction of CO₂ and other Air pollutants through Phytoremediation Techniques organized by the Department of Environmental biotechnology, Bharathidasan University, Tiruchirappalli held on 29 & 30.12.2011.
- Attended on the job training (Spirulina Cultivation) conducted by SS Biotech, Madurai held on 01.06.2006 – 10.06.2006.
- Participate in UGC Sponsored seminar on AIDS-TB PANDIMIC – GLOBAL PERSPECTIVES organized by Department of Biotechnology, Bharathidasan University, Tiruchirappalli held on 28.02.2006.

Ongoing and Guided research project

- M.Sc dissertation – 7 Completed (Biodegradation, Environmental pollution, GIS, Biodiversity, Green Nano particles synthesis)

NCBI and Gene bank Submission

OP984763, OQ118353, OQ118354, OQ954107-OQ954109, OQ980251, OQ980400, OQ980422-OQ980423, OQ980484, OQ981319-OQ981320, OQ981334, OR063855, OR243805-OR243807, OR243808-OR243809, PP666256, PP666257, PP666811-PP666812, PP666849, PP666852, PP666853

Total 20 Gene bank Submission

PERSONAL PROFILE

Name : Prasanna J
Date of Birth : 03.05.1987
Age & Sex : 36 Years, Male
Marital status : Married
Nationality : Indian
Father's Name : Jeyaraman S

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place:

Your's faithfully

Date:

(J. PRASANNA)