



Basic Details:

- **Name:** Dr. Banupriya D
- **Designation:** Assistant Professor
- **Phone Number:** 6381991431
- **Email ID:** banuprid@srmist.edu.in
- **Area or Subject:** B . T e c h Biotechnology, M.Tech Environmental Engineering and Management & P.hD in Environmental Technology
- **Affiliation:** Department of Biotechnology, Ramapuram Campus, SRM Institute of Science and Technology

Educational Details:

- **Degree** – B.Tech, M.Tech, PhD
- **Area or Subject** – B . T e c h Biotechnology, M.Tech Environmental Engineering and Management & P.hD in Environmental Technology.
- **University** – PREC (Affiliated to Anna University), Pondicherry Central University, Pondicherry Central University
- **Awarded Year** –
B . T e c h Biotechnology, PREC (Affiliated to Anna University), **2009**.
M.Tech Environmental Engineering and Management, Pondicherry Central University, **2011** &
P.hD in Environmental Technology, Pondicherry Central University, **2018**.

Other Details:

Courses:

Analytical Techniques in Biotechnology, Industrial Enzymology, Biopharmaceutical Technology, Plant Biotechnology, Basic Industrial Biotechnology, Analytical Methods and Instrumentation, Bioprocess Engineering, Bioprocess Principles, Sustainable Energy, Environmental Biotechnology,

Agricultural Engineering integrated with Biotechnology, Organic Farming, Solid waste management, Weed control, Renewable energy Technology, Crop Production and Agricultural Structures storage.

Research Interests: Solid Waste Management

Papers Publications:

- “Rapid, Clean, and Sustainable Bioprocessing of Toxic Weeds into Benign Organic Fertilizer.” Journal of Agriculture, Volume 12, Issue 10, Dhandapani Banupriya, Tabasum Abbasi, Tasneem Abbasi, S.A. Abbasi, August 2022.
- “Pharmological activity of *Leucas Aspera (l.)* extract - a review.” YMER Journal, Vol 21, 6, Banupriya Dhandapani*, Aarthy K.C and Rajkumar Munirathinam, June, 2022, 131-1320.
- “A concept proof approach for conversion of leaf litter into humus with the help of self-aerated composting units.” Journal of Critical Reviews, Journal of Physics: Conference Series, Volume 1964, Advances in Computational Physics and Material Sciences, D Banupriya 2021 *J. Phys.: Conf. Ser.* 1964 032007.
- “Green synthesis of silver nanoparticles from *Lawsonia Inermis* leaves extract and evaluation of antimicrobial activity.” Global J. of Mod. Biol and Tech, Vol 11, 4, Banupriya D*, Hemachandran M, Vanitha M, August 2021, 1-6.
- “Green synthesis of silver nanobioconjugates for bacterial biofilm inhibition.” Global J. of Mod. Biol and Tech, Vol 11, 1, M Vanitha, Aarthy K.C and Banupriya D, November 2021, 1-6.
- “Study on phytochemical and antimicrobial properties of White indian mulberry (*Morus alba*).” Goya Journal, Vol 14, 6, Aarthy K C, Banupriya D and C Kiruthuga June 2021, 71-75.
- “Quality function deployment.” Goya Journal, Vol 14, 6, Sathish Kumar, R., Karthik, M and Banupriya D* June 2021, 91-99.
- “Initiatives and options for utilizing the dreaded weeds lantana (*Lantana camara*), parthenium (*Parthenium hysterophorus*) and salvinia (*Salvinia molesta*).” International Journal of Engineering & Scientific Research by S. A. Abbasi, D. Banupriya, Channagam Khamarang and Tasneem Abbasi, 2018.
- “A new machine for clean and rapid separation of vermicast, earthworms, and undigested substrate in vermicomposting systems”. Journal of Compost Science and utilization by S. M. Tauseef, Tasneem Abbasi, G. Banupriya, D. Banupriya and S. A. Abbasi, 2013.

PATENT PUBLISHED:

- “Vermicomposting system” The patent act, 1970 (39 of 1970) & The patent rules 2006, complete specification, Inventors: Tauseef Sayed Mohammad, Abbasi Tasneem, Banupriya Dhandapani, Vaishnav Gollanpalli & Abbasi Shahid Abbas, 2013. PONDICHERRY UNIVERSITY, an Indian University of Kalapet, Puducherry-605014, India.

Papers communicated

- Banupriya Dhandapani*, Lavanya R, Shahidha A, “Production of bioethanol from Algae (*Florideo phyceas*).” communicated to YMER Journal (2023).

Papers Presented:

International Conferences

- “International conference on Bioenergy, environment & sustainable technologies” Presented a paper on the title “Approaches to modelling and design of vermicomposting system” held on Jan 27-30, 2013. Arunai engineering college, Thiruvannamalai.

National Conferences

- “National conference on Hydrology with special emphasis on rain water harvesting” presented a paper on “Control of global warming and wetland degradation by sequestering carbon content of Ipomoea via vermicomposting” held on Nov 15-16, 2013. Poornima group of colleges, Dept. Of civil engineering, Jaipur.

Working Papers:

- Organic napkin production from bio-waste
- Hydroponics using root vegetables

Work in Progress:

- Agricultural structures and women empowerment in agriculture
- Solid waste management and
- Water treatment system using biotechnology

International Conference Conducted:

- “ICDAMS 2020”, 4th International E-Conference On Design, Analysis, Manufacturing & Simulation held on Sept 16 & 17, Saveetha school of Engineering, SIMATS., Programme Committee member- also hosting the entire event.

Workshop/Conferences attended:

International Conferences

- “International conference on Bioenergy, environment & sustainable technologies” Presented a paper on the title “Approaches to modelling and design of vermicomposting system” held on Jan 27-30, 2013. Arunai engineering college, Thiruvannamalai.

National Conferences

- “National conference on Hydrology with special emphasis on rain water harvesting” presented a paper on “Control of global warming and wetland degradation by sequestering carbon content of Ipomoea via vermicomposting” held on Nov 15-16, 2013. Poornima group of colleges, Dept. Of civil engineering, Jaipur.

Workshops

- National Conference on Participated in a National level workshop on “Water and wastewater management strategies for sustainable development”, Feb 29th 2020 at Saveetha School of engineering, SIMATS.

- Participated in a National level workshop on “Farm Tractors and Machinery”, Feb 18th 2020, by SAIE and ICAR at Anna University, Chennai.

Academic Experience:

- Worked as Assistant Professor in Saveetha University, Department of Agricultural Engineering, SSE, SIMATS, Thandlam, Chennai since 1st March 2019 to 8th July, 2021 (2 Year & 5 months). 2019-2021.
- Worked in Madha Engineering College as Associate Professor in Department of Biotechnology Since on 29/08/2022 to 6th July (11 Months). 2021-2022.
- Current Position as Assistant Professor, Department of Biotechnology, SRMIST, Ramapuram, Chennai Since 1st August 2023 Till Date.

Memberships:

- NIL

