

BIODATA



NAME & QUALIFICATION : Dr. N. Shanmugapriya, M.sc, M.Phil, Ph.d,

DESIGNATION : Assistant professor

DEPARTMENT NAME : Microbiology

EMAIL ID : priya.msccmicro@gmail.com

OFFICIAL ID : shanmugapriyanarayanan@sigc.edu

SPECIALIZATION : Waste water treatment with cyanobacteria and
Coir pith, Bioremediation

PROFESSIONAL MEMBERSHIP : SOCIETY FOR BIOTECHNOLOGISTS (INDIA),
(Regd.No. ER 57/95)

TOTAL TEACHING EXPERIENCE : 2 yrs

RESEARCH EXPERIENCE : 8 yrs

Ph.D., Treatment of textile dye deffluent using marine cyanobacterium and coir pith for the application of plant growth.

M.Phil Production, Purification and characterization of tannase from native *Aspergillus* sp using *Syzygium cumini* (L) Skeels (*euglenia jambolana*)

NO. OF RESEARC ARTICLES : 5
**PUBLISHED IN UGC CARE /
SCOPUS / WEB OF SCIENCE
INDEXED JOURNALS**

AWARDS AND HONOURS

2017 Project fellow Department of Marine Biotechnology, Bharathidasan University,
Trichy

PATENT

Patent Filed on **IOT BASED PORTABLE HYGENIC HEALTH MONITORING SYSTEM** - Application number 399390-001 dated 07.11.2023

ADDITIONAL RESPONSIBILITIES

1. **ISO AUDITOR** at Shrimati Indira Gandhi College, Trichy.
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LIST OF ARTICLES PUBLISHED IN JOURNALS : 05

1. **Shanmugapriya, N** and Malliga, P. (2013). Textile Effluent treatment using Marine Cyanobacterium (*Oscillatoria subuliformis*) with coir pith and removal of Heavy Metals. *International Journal of Scientific Research*. Vol. 2(12): 484-486. ISSN: 2277-8179.
2. Nivetha, E., Bela, R, B, **Shanmugapriya, N** and Malliga, P. (2014). Decolorizing Efficiency of *Oscillatoria subuliformis* with Coir Pith in Textile Dye Effluent. *Global Journal for Research Analysis*. Vol. (10): 72-75. ISSN: 2277-8160.
3. **Shanmugapriya.N**, Ramganes. S and Nitin labane (2014). Production, Purification and characterization of tannase from native *Aspergillus* sp using *Syzygium cumini* (L) skeels (*Eugenia jambolana*) seed powder. *Golden research thoughts*. Vol.3: (9).ISSN 2231-5063.
4. Malliga. P, Bela.R.B, **Shanmugapriya.N** (2020). Conversion of textile effluent wastewater into fertilizer using marine cyanobacteria along with different agricultural waste. *Biovalorisation of wastes to renewable chemicals and biofuels*
5. **Chelladurai Iyyanar D(S), Ayyanar Panudrangan, Shanmugapriya narayanan, K.Senthil, H. M Nilofer nisha** (2023). Green synthesis of Ag NP using *Ficus benghalensis* aerial root and its AchE inhibiting property. *Asian Journal of Biological sciences*.Vol.12 (2), 415-421.

LIST OF PAPERS PRESENTED:

Oral presentation: 2

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| 2012 | Department of plant biology and biotechnology Quaid-E- Millath government college for women, Chennai | Effect of cyanopith and jiwamirtha on <i>Luffa acatangula</i> plant. |
| 2014 | Department of microbiology, Bharathidasan university | Degradation of textile dye effluent using coir pith and <i>Oscillatoria subuliformis</i> |

Poster presentation: 3

2015	School of life sciences, Jawaharlal Nehru University, New Delhi	Bioremediation of textile effluent using marine cyanobacterium (<i>Oscillatoria subuliformis</i>) and coir pith
2016	National institute of Ocean technology, Chennai	Bioremediation of textile waste water using coir pith and cyanobacterium
2018	Mahatma Gandhi chitrakoot gramodaya Vishwavidyalaya, chitrakoot, Madhya pradesh	Biodegradation and decolourization of textile dye effluent using marine cyanobacterium and coir pith

INTERNATIONAL CONFERENCE/ WORKSHOP/ SEMINAR ATTENDED

2021	Eudoxia Research center, India	International training on authorship, research methodology and scopus free publication free publication process held from 5 th January -2 nd February
2015	School of Life science, Jawaharlal Nehru University, New Delhi.	56 th Annual conference of association of microbiologists of India (AMI) & International Symposium on "Emerging discoveries in Microbiology" held on 7-10 th December
2012	Department of plant biology and biotechnology , Quaid- E- Millath government college for women, Chennai	International conference on "Eco-Conservation for sustainable development and Exhibition on Medical plants and herbal products" held on 1-3 rd February
2012	Bharathidasan university and shrimati indragandhi college	International workshop on "Statistics for Proteomics and Clinical research" held on 7 th August
2012	Marine Drive Grounds, Kochi	International Exhibition and Seminars conducted at the International Coir Tech Expo conducted from 12 th to 16 th august

NATIONAL CONFERENCE/ WORKSHOP/ SEMINAR ATTENDED

2022	Department of Biochemistry of Shrimati Indira Gandhi College, Tiruchirappalli on 15 th September 2022	“Cytochemical staining Techniques”
2018	Mahatma Gandhi Chitrakoot Gramodaya Vishwavidalaya, Chitrakoot,Satna, Madhya pradesh	88 th Annual Session of National academy of sciences, India held on 6-8 th December
2017	Global Initiative of Academic Networks (GIAN), Bharathidasan University	Course of Microbial Processes for Lignocellulosic Biofuel Production held on 18-27 th December
2015	Center for technical and academic writing, Bharathidasan University	A5- Day Training Programme on Research Writing: Elements and steps 16-20 th February
2016	National Institute of Ocean technology, Chennai	Recent trends in Biotechnology & Annual meet of the society for Biotechnologists held on 19-21 st October
2015	Department of Industrial biotechnology, Bharathidasan University	One day seminar on “Biotechnology based entrepreneurship awareness” 22 nd January
2014	Ayya Nadar Janaki ammal college, Sivakasi	Workshop on “Statistical solutions to Biological problems” held on 23 rd September
2014	Bharathidasan university and Krishnamurthy Institute of algology, Chennai	National conference on “progress in Algology in the Indian context from 19-21 st september
2012	Marine Drive Grounds, Kochi	International Exhibition and Seminars conducted at the International Coir Tech Expo conducted from 12 th to 16 th august
2007	BIOGENEIC Institute of biotechnology, Namakkal & Tamil nadu state council for science and technology, chennai	Workshop on “Advanced Techniques in Molecular biology from 19-24 th November

FACULTY DEVELOPMENT PROGRAMME

2019	CSIR- Central Electrochemical Reseach Institute, Karaikudi	Instrumental Methods of Analysis held on 11-15 th November
2022	Department of Management Studies, Shrimati Indira Gandhi College, Tiruchirappalli on 17 th to 19 th March, 2022	“Innovative Pedagogies of the Future in Teaching Learning Process”
2023	Naan Mudhalvan in partnership with Microsoft from 28.08.2023 to 01.09.2023	“Digital Productivity and AI Fluency”

Webinar attended

1. Awareness program on “National Intellectual Property Awareness Mission (NIPAM)” conducted by Controller General of Patents, Designs and Trade Marks, at Shrimati Indira Gandhi College on 26.04.2023.

RESOURCE PERSON

2023	PG Extension center, Department of microbiology, Perambalur on 10 th March	Seminar on scope and opportunities of microbiology
2023	RISING STAR, INDUSTRIAL & BUSINESS CONFERENCE, MADURAI on 02.07.2023	TOPIC -WOMEN ENTREPRENEURSHIP