

Dr. S. Benazir Begum M.Sc., M.Phil., (SET)., Ph.D

Assistant Professor

PG & Research Department of Biotechnology,

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EDUCATIONAL PROFILE

Course	Institution	Year of Passing	Board/ University	% of Aggregate Marks
Ph.D., Zoology	Thiagarajar College, Madurai.	Aug, 2016	Madurai Kamaraj University	Highly Commended
M.Phil., Zoology	Thiagarajar College, Madurai.	Apr, 2012	Madurai Kamaraj University	84.75 (First class with Distinction)
M.sc., Zoology(spl in Biotechnology)	Lady Doak College, Madurai	Apr, 2011	Madurai Kamaraj University	90.00 (First class with Distinction)
B.sc., Zoology(spl in Biotechnology)	Lady Doak College, Madurai	Apr, 2009	Madurai Kamaraj University	89.00 (First class with spl.Distinction)

PROFESSIONAL EXPERIENCE

-  Served as guest Lecturer in the **Department of Animal science, Bharathidasan University, Tiruchirapalli** from August 2016 to may 2017.
-  Working as a Assistant professor in the **Department of Biotechnology, Jamal Mohamed College, Tiruchirapalli** from July 2017 to till date.

AWARDS/ SCHOLARSHIP

- ★ Cleared **State Eligibility Test (SET)** for Lectureships conducted by University Grants Commission, India, October-2012.
- ★ Received fellowship for M.Phil., and Ph. D (Zoology) from **Maulana Azad National Fellowship (MANF)** under University Grants Commission, NewDelhi.
- ★ Received **Gold Medal** For M.sc.,Zoology (Spl in Biotechnology) by Madurai Kamaraj University, Madurai

- ★ Received best Paper Presentation Award for Presented a paper titled “**Evaluation of probiotic and multiple plant growth promoting traits of endophytic *Bacillus pumilus* isolated from *Ocimum sanctum***” on National conference on Advances in Plant Pathology (NCAPP -2013) organized by Centre for Advanced Studies in Botany, University of Madras.

PUBLICATIONS

- ✚ Murugappan RM, **Benazir Begum S**, Usha C, Lokkirubahar S, Karthikeyan M. 2017.
 - Growth Promoting and Probiotic Potential of the Endophytic Bacterium *Rhodococcus globerulus* colonizing the Medicinal Plant *Plectranthus amboinicus* (Lour.). *International J Current Research and Review*.
- ✚ **Benazir Begum S**, Raja roobia R, Karthikeyan M, Murugappan RM 2014. Validation of nutraceutical properties of natural honey and probiotic potential of its innate microbial flora. *LWT- Food science and Technology*. **IF 2.4**
- ✚ Murugappan RM, **Benazir Begum S**, Raja Roobia R 2013. Symbiotic influence of endophytic *Bacillus pumilus* on growth promotion and probiotic potential of the medicinal plant *Ocimum sanctum*. *Symbiosis* . **IF 1.2**
- ✚ Two gene sequences are submitted in NCBI and EMBL (Gene Bank IDs) : *Bacillus Pumilus* (**HE974486**) and *Rhodococcus globerulus* (**KR013744**)

RESEARCH EXPERIENCE

Designation	Duration	Institution	Title
Doctoral research scholar	2012-2015	Thiagarajar College, Madurai	Bioprospecting plant growth promoting bacteria for quorum quenching metabolites
M.Phil., scholar	2011-2012	Thiagarajar College, Madurai	Evaluation of Probiotic and Multiple Plant Growth Promoting Traits of Endophytic <i>Bacillus pumilus</i> Isolated from <i>Ocimum sanctum</i> .
Post graduate student	2009-2011	Lady doak college, Madurai	Isolation , Identification and Characterization of Feather Degrading Bacterium

SEMINAR AND CONFERENCE

- ♠ Participated in International Conference on **Cancer Inferno and its prevention Strategie (ICCIPS-2019)** by PG and research Department of Biochemistry, Periyar EVR College, Trichy on February 22, 2019.

- ♣ Participated in International Conference on **New Vistas in Life Sciences** by PG and research Department of Biochemistry, Holy Cross College, Trichy on September 11, 2018.
- ♣ Presented a paper titled “**Microbes, Microbial processes and products (MMPP-2017)**” on International Conference organized by PG and Research Dept of Microbiology, Sengamalathayar Educational Trust Womens College, Mannargudi.
- ♣ Participated in the National seminar on “**Advances in Animal Science for Sustainable Developmnt(AASSD -2018)**” organized by PG Dept of Zoology, Jamal Mohamed College, Trichy.
- ♣ Participated in the International seminar on “**Environmental issues of emerging pollutants**” organized by PG & Research Department of Zoology, Vivekananda College, Madurai.
- ♣ Presented a paper titled “**Validation of nutraceutical properties of natural honey and probiotic potential of its innate microbial flora**” on National conference on Innovations, Implementations and Controversies of Animal Biotedchnology (NCIICAB – 2014) organized by Department of Animal Science, Bharathidasan University, Tiruchirapalli.
- ♣ Presented a paper titled “**Growth promotion and probiotic potential of the endophytic *Bacillus pumilus* isolated from *Ocimum sanctum***” on National conference on “Biotechnology present and future” organized by Dr. N.G.P. arts and science College, Coimbatore.
- ♣ Presented a paper titled “**Climate Change- Causes, Consequences and Cure**” on National Science Day Celebrations 2010 (NSD-2010) organized by Gandhigram Rural Institute, Dindugul.
- ♣ Presented a poster titled “**Coral Reefs in India**” in National Conference on “Biodiversity for sustainable Development: Threats, Indicators, Climate Change, Poverty Alleviation and Targets for safeguarding Biodiversity” organized by Centre for Biodiversity and Forest studies, School of Energy, Environment & natural Resources, Madurai Kamaraj University, Madurai.
- ♣ Presented a Paper titled “**Coral Reef – An Environmental Alarm**” in state level seminar on *First Regional Conference on Bioresources* organized by Department of Zoology and Microbiogy, Thiagarajar College, Madurai
- ♣ Participated in the Prof. Whitin Endowment Lectured Series cum National Seminar on “**Global Threat of Communicable and Non-communicable diseases**” conducted by PG & Research Department of Zoology and Biotechnology in Collaboration with CRME, ICMR, Madurai.

WORKSHOP ATTENDED

- ❖ Two day Workshop on **Professional development for Academic Leadership in curriculum Design** by Curriculum Development Cell, Jamal Mohamed College, Trichy
- ❖ One day Workshop on **Improvement Teaching Practices-A Strategic Approach** by Internal Quality Assurance Cell, Jamal Mohamed College, Trichy
- ❖ International Virtual Workshop on Bio-Nano Interface for COVID-19 by department of Zoology and Microbiology, Thiagarajar College, Madurai on May 31, 2020.
- ❖ National Workshop on **“Solid Waste Management”** By Delhi Research Implementation And Innovation, Delhi Research Implementation And Innovation on July 30-31, 2021 (online).

FACULTY DEVELOPMENT PROGRAMME ATTENDED

- ❖ Participated in faculty Development programme on **“E-Content Development”** by Internal Quality Assurance Cell, Jamal Mohamed College, Trichy
- ❖ Participated in faculty Development programme on **“Drug Development and Delivery”** organized by the P.G. and Research Department of Zoology, Jamal Mohamed College, Thiruchirappalli -620020, on 10th-12th December 2020.
- ❖ Participated in faculty Enrichment programme on **“Art of Writing in Indexed Journal Publication”** by Internal Quality Assurance Cell, Jamal Mohamed College, Trichy on 28.07.2021.
- ❖ Participated in one week faculty Development programme on **“Life Skill and Wellness during Pandemic”** by AMET Business School from July 5 to July 11 2021.
- ❖ Participated in FDP on **"Recent Development in Food Processing"** at Rastreeya Vidyalaya College of Engineering by AICTE Training and Learning (ATAL) Academy from 25/10/2021 to 29/10/2021.

CERTIFICATES/ HONORS

- A certificate was awarded for Excellent, Consistent and Distinctive academic performance during the year 2009-11 by Department of Zoology, Lady Doak College, Madurai.
- A certificate of Dr.M.S.Panjay Ramaraj endowment prize was awarded for academic proficiency by Department of Zoology, Thiagarajar College, Madurai.

TRAINING PROGRAMMES

- ✓ Undergone a summer training course on “Basic Techniques in Biology” conducted by the Department of Zoology, Lady Doak College, Madurai.
- ✓ Participated in two day training programme on “Placement Support” by Foundation for Academic Excellence and Access conducted by Lady Doak College, Madurai.
- ✓ Undergone an “Internship program and an observenship” training in Vadamalayan Hospital, Madurai.
- ✓ Undergone a Six month training programme in “**Web Designing**” organized by Lady Doak College, Madurai.

RESEARCH INTEREST

- ✚ Bioprospecting the endophytic bacteria for Quorum Quenching activities
- ✚ Evaluate the therapeutic significance of Microbial siderophores
- ✚ Validation of nutraceutical properties of folk medicinal plants and its innate microflora
- ✚ Bioprospecting the probiotic potential of innate microflora
- ✚ Validation of nutraceutical properties of natural food

AREA OF INTEREST

- ☒ Developmental Biology
- ☒ Animal physiology
- ☒ Cell Biology
- ☒ Microbiology
- ☒ Biotechnology
- ☒ Genetics

PERSONAL SKILLS

Good communication, Curriculum Expertise, Expertise in the Subject Matter, Committed and Motivated for Research and Hard working

PERSONAL PROFILE

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| ○ Date of Birth | : 27.03.1988 |
| ○ Gender | : Female |
| ○ Nationality | : Indian |
| ○ Address for Communication | : No.9, Dhanarathinam Nagar
Trichirappalli-8 |

DR. S. BENAZIR BEGUM