

## Dr. BINDU P.

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### Academic Qualifications – M.Sc, PhD

Year	Course	Name of Institution	University	Percentage
2017	<b>Ph.D</b> (Zoology)	S.D College, Alappuzha	University of Kerala	
2011	<b>Ph.D Course Work</b>	S.D College, Alappuzha	University of Kerala	66.66
2009	M.Sc Zoology ( <b>II<sup>nd</sup> Rank</b> )	S.D College, Alappuzha	University of Kerala	79.22
2007	B.Sc Zoology	St. Joseph's College for Women, Alappuzha	University of Kerala	85.33
2003	Higher Secondary	S.D.V Boys High School, Alappuzha	Board of Higher Secondary Examination, Kerala	62.16
2001	SSLC	T.D.H.S.S, Alappuzha	Board of Public Examination, Kerala	80.33

### Teaching Experiences

1. Worked as Assistant Professor on Contract in the **P. G. Department of Zoology & Research Center, S.D. College, Alappuzha** from **01/06/2021 – 11/10/2021**.
2. Worked as Assistant Professor on Contract in the **P. G. Department of Zoology & Research Center, S.D. College, Alappuzha** from **01/10/2020 – 31/05/2021**.
3. Worked as Assistant Professor on Contract in the **P. G. Department of Zoology & Research Center, S.D. College, Alappuzha** from **06/06/2019 – 20/03/2020**.
4. Engaged classes for 2<sup>nd</sup> year B.Sc. Zoology students under **Scholar Support Programme (SSP)** in the **P. G. Department of Zoology & Research Center, S.D. College, Alappuzha**, during the period **2019 – 2020**.

5. Worked as Assistant Professor on Contract in the **P. G. Department of Zoology & Research Center, S.D. College**, Alappuzha from **08/08/2018 – 29/03/2019**.
6. Worked as Assistant Professor on Contract in the **P. G. Department of Zoology & Research Center, S.D. College**, Alappuzha from **06/11/2017 – 28/03/2018**.
7. Engaged classes for 2<sup>nd</sup> year B.Sc. Zoology students under **Scholar Support Programme (SSP)** in the **P. G. Department of Zoology & Research Center, S.D. College**, Alappuzha, during the period **2016 – 2017**.
8. Worked as Assistant Professor on Contract in the **Department of Biotechnology, S.D.V College of Arts and Applied Science**, Alappuzha from **9/06/2014 – 3/11/2017**.

### Other Activities

1. Worked as **Mentor** for “**Sasthrapadham**” organized by Samagra Shiksha, Kerala in collaboration with Directorate of Collegiate Education and Department of Higher Secondary Education, Kerala. **January 2020**.
2. Worked as **Mentor** for “**Sasthrapadham**” organized by Samagra Shiksha, Kerala in collaboration with Directorate of Collegiate Education and Department of Higher Secondary Education, Kerala **January 2019**.
3. Worked as a **Trainer** for **KSCSTE** funded **BIRD Programme** at the **Centre for Research on Aquatic Resources, S.D. College**, Alappuzha.
4. **Guided B. Sc and M. Sc Dissertation** submitted to the **University of Kerala**.
5. Worked as **Skilled Assistant** for **B. Sc & M. Sc. University Practical Examinations**, University of Kerala at the **P. G. Department of Zoology & Research Center, S.D. College**, Alappuzha.

### List of Publications

#### In Journals

1. A novel approach for siderophore production by *Pseudomonas mendocina* under solid state fermentation using inert support. **Dr. Bindu. P**, *International Journal of Science and Research*, (2020) 10 (2): 845 – 850.
2. A study on the effects of copper and ®hostathion on selected metabolic and haematological parameters of a teleost fish, *Oreochromis mossambicus*. **Dr. Bindu. P**, *International Journal of Science and Research*, (2020) 9 (4): 1179 – 1185.

3. Optimization of Process Parameters for Siderophore Production Under Solid State Fermentation Using Polystyrene Beads as Inert Support. **Bindu. P** and G. Nagendra Prabhu, *Journal of Scientific & Industrial Research*, (2016) 75: 621 - 625.
4. Siderophore production by *Pseudomonas aeruginosa* isolated from the paddy fields of Kuttanad, Kerala. **Bindu. P** and G. Nagendra Prabhu, *International Journal of Science and Research*, (2016) 5 (10): 1577 - 1581.

### **In Books**

1. Bacterial siderophore production under solid state fermentation. **Bindu. P** and G. Nagendra Prabhu, *Proceedings of the 27th Kerala Science Congress*. Alappuzha, January 2015. pp 160-161. **ISBN 81-86366-88-1**.
2. Mushroom cultivation using aquatic weeds of Kerala. Anoop Kumar V, Sreelakshmi T.P, Azmi T, **Bindu P**, Unnikrishna Pillai P.R, G. Nagendra Prabhu, In: *Emerging Trends in Biotechnology*, 2014. pp 166-176, **ISBN-978-93-80095-47-9**.
3. Antibacterial Activity of Silver Nanoparticles on Selected Bacterial Strains. Resmi. V. Chandran, G. Nagendra Prabhu, **P. Bindu** & R. Suresh Chandra Kurup, 23<sup>rd</sup> Swadeshi Science Congress, (2013). pp 634 – 637, **ISBN-978-81-9281-15**.
4. Preliminary characterization of Siderophore producing Bacteria isolated from Kuttanad, Alleppey, Kerala. **Bindu. P** and G. Nagendra Prabhu, In: *Emerging Trends in Biotechnology*, 2012. pp 7-13, **ISBN-978-93-80095-39-4**.

<b>List of Paper Presentations</b>
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1. Optimization & Chemical Characterization of Siderophore produced by *Pseudomonas mendocina* isolated from the Paddy Field of Kuttanad. **Bindu. P** and G. Nagendra Prabhu, National Seminar on *Future India: Science And Technology: Advances In Integrated Scientific Research*. M.S.M College, Kayamkulam, January 15-16. 2019.
2. Bacterial siderophore production under solid state fermentation. **Bindu. P** and G. Nagendra Prabhu, *27th Kerala Science Congress*. Alappuzha, January 27 – 29. 2015.
3. Isolation and preliminary characterization of Siderophore producing Bacteria from Kuttanad, Kerala, India. **Bindu. P** and G. Nagendra Prabhu, *Proceedings of the International Conference on Integrative and Comparative Physiology*. Trivandrum, December 18-20. 2013.

## Trainings/Workshops Attended

1. Participated and successfully completed the UGC-sponsored 179<sup>th</sup> Induction Programme conducted by the UGC-HRDC, University of Kerala, Kariavattom, Thiruvananthapuram from 31/10/2023 to 29/11/2023 with A Grade
2. Participated in the OBE Syllabus Revision workshop (PG Zoology) at the Department of Zoology, University of Kerala, Kariavattom from 23/05/2023 to 25/05/2023
3. Participated and successfully completed the Online FDP on “The Essence & Essentials of Teaching” organized by Sanatanam Teaching Learning Centre in association with the P.G. & Research Department of Chemistry, S. D. College & The Kerala State Higher Education Council, Govt. of Kerala from 23/05/2022 to 31/05/2022
4. Participated and successfully completed the FDP on Excel for Beginners, organized by Sanatanam Teaching Learning Centre in association with the P.G. & Research Department of Commerce, S. D. College on 15/01/2022
5. Participated and successfully completed the 3 day FDP & Orientation Programme for newly inducted teachers organized by the IQAC & supported by the Management, S. D. College from 18/11/2021 to 20/11/2021
6. Participated and successfully completed One Week Online Short – Term Faculty Development Programme on “Pedagogical and E-learning Tools for Teaching” organised by S. D. College, Alappuzha in collaboration with The Kerala State Higher Education Council from 4/08/2020 – 10/08/2020.
7. Participated and successfully completed the two day national level online workshop organized by BNV College of Teacher Education on “*A PARADIGM SHIFT TO DIGITAL ERA: EQUIPPING TEACHERS FOR VIRTUAL CLASSROOMS*” from 24/07/2020 to 25/07/2020.
8. Participated in the one day Cluster Workshop for Resource persons of Scholar Support Programme at S.D College, Alappuzha on 07/01/2017.
9. Participated in the National Science Academie’s Lecture Workshop on “*Molecular Biology in the 21<sup>st</sup> Century*” organised by the School of Biosciences, MACFAST during 28 - 29<sup>th</sup> March 2014.
10. Participated in the Interactive workshop on Conservation of Rivers and Lakes, organized by *Pampa Parirakshana Samithy* on 05/07/2012.
11. Participated in a six day training programme on “*Tools and Techniques in molecular biology and Bioinformatics*” conducted by the Department of Biotechnology, Cochin University of Science and Technology from 14/02/2011 to 19/02/2011.

## Other Achievements

1. Resource speaker for the Seminar on the topic “Bacterial Diseases in Man – Research Prospects” organized by the Department of Zoology, St. Joseph’s College for Women, Alappuzha as part of Capacity Building Programme for First year students – Deeksharambh: Acquaint 2023 on 20/10/2023