**Dr. BINDU P.**



Bindu Nivas,

Thekkekulamakkal

Behind Income Tax Office

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| Academic Qualifications – M.Sc, PhD |

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| **Year** | **Course** | **Name of Institution** | **University** | **Marks** | **Percentage** |
| 2017 | **Ph.D**(Zoology) | S.D College, Alappuzha | University of Kerala |  |  |
| 2011 | **Ph.D Course Work** | S.D College, Alappuzha | University of Kerala | 200 | 66.66 |
| 2009 | M.Sc Zoology(**II nd Rank**) | S.D College, Alappuzha | University of Kerala | 1426 | 79.22 |
| 2007 | B.Sc Zoology | St. Joseph’s College for Women, Alappuzha | University of Kerala | 853 | 85.33 |
| 2003 | Higher Secondary | S.D.V Boys High School, Alappuzha | Board of Higher Secondary Examination, Kerala | 373 | 62.16 |
| 2001 | SSLC | T.D.H.S.S, Alappuzha | Board of Public Examination, Kerala | 482 | 80.33 |

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| Teaching Experiences |

1. Worked as Guest Faculty in the **Department of Zoology**, **S.D College**, Alappuzha from **01/10/2020** – **11/10/2021.**
2. Worked as Guest Faculty in the **Department of Zoology**, **S.D College**, Alappuzha from **06/06/2019** – **20/03/2020.**
3. Engaged classes for 2nd B.Sc. Zoology students under **Scholar Support Programme (SSP)** in the **Department of Zoology**, **S D College**, Alappuzha, during the period **2019 – 2020.**
4. Worked as Guest Faculty in the **Department of Zoology**, **S.D College**, Alappuzha from **08/08/2018** – **29/03/2019.**
5. Worked as Guest Faculty in the **Department of Zoology**, **S.D College**, Alappuzha from **06/11/2017** – **28/03/2018.**
6. Worked as Guest Faculty in the **Department of Biotechnology**, **S.D.V College of Arts and Applied Science**, Alappuzha from **June 2014** – **November 2017**.
7. Engaged classes for 2nd B.Sc. Zoology students under **Scholar Support Programme (SSP)** in the **Department of Zoology**, **S D College**, Alappuzha, during the period **2016 – 2017.**

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| 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** **Dissertations** submitted to the **University of Kerala**.
5. Worked as **Skilled Assistant** for **B. Sc & M. Sc. University Practical Examinations**, University of Kerala at the **Dept. of Zoology**, **S. D College**, Alappuzha.

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| 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. 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**.
2. Antibacterial Activity of Silver Nanoparticles on Selected Bacterial Strains. Resmi. V. Chandran, G. Nagendra Prabhu, **P. Bindu** & R. Suresh Chandra Kurup, 23rd Swadeshi Science Congress, (2013). pp 634 – 637, **ISBN-978-81-9281-15**.
3. 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**.
4. Bacterial siderophore production under solid state fermentation. **Bindu. P** and G. Nagendra Prabhu, *Proceedings of the 27th Kerala Science Congress.* Alappuzha, January 2015.pp 160-161.2015. **ISBN 81-86366-88-1.**

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| List of Paper Presentations |

1. 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.
2. Bacterial siderophore production under solid state fermentation. **Bindu. P** and G. Nagendra Prabhu, *27th Kerala Science Congress.* Alappuzha, January 27 – 29. 2015.
3. 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.

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| Trainings/Workshops Attended |

1. Participated and successfully completed the Faculty Development Programme on “The Essence and Essentials of Teaching” organized by Sanatanam Teaching Learning Centre in association with PG &Research Department of Chemistry, Sanatana Dharma College and The Kerala State Higher Education Council, Govt. of Kerala from 23 to 31 May 2022.
2. 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 4th – 10th August 2020.
3. 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*” ​ during 24 – 25 July 2020.
4. Participated in the one day Cluster Workshop for Resource persons of Scholar Support Programme at S.D College, Alappuzha on 07/01/2017.
5. Participated in the National Science Academie’s Lecture Workshop on “*Molecular Biology in the 21st Century*” organised by the School of Biosciences, MACFAST during 28 - 29th March 2014.
6. Participated in the Interactive workshop on Conservation of Rivers and Lakes, organized by *Pampa Parirakshana Samithy* on 05/07/2012.
7. Participated in a six day training programme (14 - 19 February, 2011) on “*Tools and Techniques in molecular biology and Bioinformatics*” conducted by the Department of Biotechnology, Cochin University of Science and Technology.

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| Areas of Interest |

Microbiology, Ecology, Toxicology

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| Awards and Achievements |

Secured Second Rank in MSc Zoology Examination (University of Kerala)