

N.V. VINOD Ph.D,
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Department of Microbiology
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Academic Qualification:

- **PhD in Microbiology** (2010) from Thalassery Campus, Kannur University, India.
Thesis title: 'Studies on Bacterial proteins associated with antibiotic resistance and its inhibition from medicinal plants'.
- **PG-Diploma in Bioinformatics** 2010 Tamilnadu Agriculture University
- **MSc. Microbiology** 2001 Periyar University, Tamilnadu, India
- **BSc. Botany** 1998 University of Calicut, Kerala, India
Subjects: Botany, Chemistry, Zoology
- **Pre-Degree in Science** 1996, University of Calicut, Kerala, India
Subjects: Physics, Chemistry, Biology

Research Experience:

- **KSCSTE, Govt. of Kerala- Post doctoral Fellow** -project entitled 'Designation of Potential targets in membrane proteins' for **three years** from 1st January 2010 to 7th October 2012 at Interuniversity of Biosciences, Kannur University, Kerala, India.

Professional Qualifications:

- **Assistant Professor** in the department of Microbiology, St Pius X College, Rajapuram, affiliated to Kannur University from 2012 onwards.
- **Lecturer** (on contract) at the Department of Biotechnology& Microbiology, Kannur University from 08.04.2003 to 31.04.2006. Conducted the subject lectures and practicals regularly for MSc students.

- **Technical Assistant** at Department of Biotechnology & Microbiology, Kannur University from 2006– June 2009. Carried out practical sessions with explanation about the purpose of the experiment and the procedures that follow to seek results.
- **Microbiologist** in Co-operative Multi speciality Hospital, Thalassery, Kerala from 2002– June 2003.

Research Publications:

- **Vinod.N.V**, Shijina.R, Dileep.K,C.Sadasivan (2010). Inhibition of betalactamase by 1,4-Naphthalenedione from the plant *Holoptelea integrifolia*. Appl Biochem Biotechnol.160:1752-1759.
- **N.V.Vinod**, M,Haridas and C.Sadasivan(2010). Antibacterial principle against beta lactam resistant *S.aureus* from *Holoptelea integrifolia*. Ind J of Biophy and Biochem. 47, 53-55.
- **N.V.Vinod** and C.Sadasivan (2010). Screening of medicinal plants for antibacterial principles against β -lactam resistant strains.Ind.J of pharmacology.43,91-92.
- K.V.Dileep, I.Tintu, **N.V.Vinod**, P.P.Saliha, C.Sadasivan (2011).Role of invariant water molecules in retaining the active site geometry of betalactamase: a molecular dynamic simulation study. Molecular simulation:1-5.

Publications in Proceedings/Conferences:

- **N.V.Vinod** and M.Haridas. '**The effect of Mg and Ca ions on the antimicrobial activities of lactoperoxidase**' presented at the International Conference on Antimicrobial Research held at **Lisbon, Portugal** on 23-25 November, 2012.
- **N.V.Vinod** and C.Sadasivan. '**Inhibition of beta lactamase by hydroquinone and its molecular modeling interaction studies**' International Conference on Antimicrobial Research held at **Valladolid, Spain** on 3-5 November, 2010.
- **N.V.Vinod** and C.Sadasivan. '**Identification of antibacterial compound from *Holoptelea Integrifolia* against betalactam resistant strain of *S.aureus***' at 20th Kerala Science Congress, Thiruvananthapuram 2007 shortlisted and contested for the young scientist award.

- K.V.Dileep, **N.V.Vinod** and C.Sadasivan. '**Studies on molten globule state of beta lactamase and its affinity towards substrate**' at 21th Kerala Science Congress, Thrissur, 2009 shortlisted and contested for the young scientist award.
- M.Haridas, **N.V.Vinod** and C.Sadasivan. '**New trends in fermentation technology**' Proceedings 2005 organized by the Punjab University, Patiala,India.
- **N.V.Vinod** and C.Sadasivan. '**Evaluation of Nutraceuticals (Functional Foods) that Prevent Diseases**' Proceedings organized by the School of Health Sciences, Kannur University from 29th November to 1st December 2006.

Awards and Honours:

- Qualified National Eligibility test for lectureship (**NET**).
- International Travel Grant from **DST**, Govt. of India in 2012.
- International Travel Grant from **UGC-CSIR**, Govt. of India in 2010.
- **Post Doctoral Fellowship** awarded by the Council for Science, Technology and Environment, Kerala Biotech Commission, Government of Kerala, India in 2009.

Seminars/Workshop:

- Ugc refresher course of National science academy at Central university of Punjab,Bathinda,Punjab ,India from 5 - 20 th March 2019.
- Ugc refresher course at kaumuan University,Nainital,Utharaghand ,India from 2 - 28 th Nov 2016
- UGC Orientation Programme at Jawaharlal Nehru University, New Delhi, India from 6th April -1st May 2015.
- Workshop on Academic Writing and Publishing conducted by the Kerala State Higher Education Council Thiruvananthapuram, Kerala, India on March 24-25,2015.
- UGC Sponsored National workshop on Bioinformatics and Genome Analysis for College teachers, conducted by Department of Zoology, Nesamony memorial Christian College, Marthandam, Tamilnadu, India on August 11 and 12, 2014.
- International symposium of Allium workers conducted by School of Health Science, Kannur University, November 2006.

Academic achievements

- Member, board of studies, Microbiology(both UG and PG), Kannur University

- Member, university question paper setter of MG University, Kottayam, University of Calicut and Kerala University, Thiruvananthapuram, Kerala, India.
- Undergone bioinformatics training for college teachers at Nesamany college, Tamil Nadu(2015),India
- Selected as a FLAIR(fostering linkages in academic innovation and research) member of Directorate of Collegiate education, Govt.of Kerala(2016)
- Attended orientation course at JNU,New delhi(6th april to 01 may 2015) and refresher courses at Kumaun University, Nainital (November 6 to 26, 2016)
- Undergone Bioinformatics training for trainers at IMTECH ,Chandigarh, Punjab on March 2018.

Extra curricular activities

Singer, Proficient in Flute

Personal Details:

Date of Birth	:	28-04-1979
Sex	:	Male
Nationality	:	Indian
Passport No	:	K3979956

References:

1. Dr. C. Sadasivan,
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Kannur University, Kerala, India-670661
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2. Dr. Sr.Marykutty Alex,
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