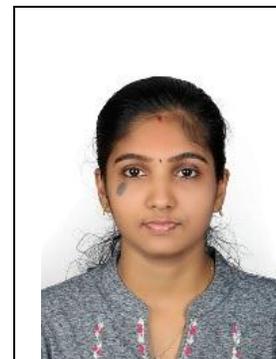




BIO DATA OF FACULTIES

NAME :Dr. NAYANA P
DESIGNATION :Assistant Professor/ Research Officer
E-MAIL :nayanapvenugopal@gmail.com
HIGHEST QUALIFICATION:PhD Biotechnology



EDUCATIONAL QUALIFICATIONS:

	COURSE	INSTITUTION/ UNIVERSITY	YEAR OF PASSING
UG	B.Sc Biotechnology	Amrita Vishwa Vidyapeetham	2011
PG	M.Sc Biotechnology	Cochin University of Science and Technology	2013
PhD	Biotechnology	Cochin University of Science and Technology	2022
OTHERS	NET	Indian Council of Agricultural Research	2018

TOTAL WORK EXPERIENCE:11 Years

- **Assistant Professor** at **GEMS Arts and Science College**- November 2021 to till date
- **Senior Research Fellow** at **Cochin University of Science and Technology**- February 2016 to January 2020
- **Junior Research Fellow** at **Cochin University of Science and Technology**- February 2014 to February 2016

- **Skilled assistant** at Centre for Plant Biotechnology and Molecular Biology (CPBMB), **Kerala Agricultural University**- July 2013 to January 2014.

ACADEMIC EXPERIENCE: 2.5 years

INDUSTRY EXPERIENCE: Nil

RESEARCH PROFILE

GUIDANCE EXPERIENCE: Guided 15 Under Graduate students and 5 Post Graduate students

AREA OF INTEREST : Plant Biotechnology, Enzymology and Microbiology

PUBLICATION LIST :

- Ramisha Khathoon M C, **Nayana P**, Balagopalan Unni (2023). Studies on lipase from *Monomorium* species: *in silico* and *in vitro* approaches. International Journal of Recent Scientific Research, 14(2): 2885-2892.
- **Nayana P**, Aiswarya C and Padma Nambisan (2020). Dataset on optimization of lignin peroxidase production by *Endomelanconiopsis* sp. under submerged fermentation using one factor at a time approach. Data in Brief, 105244.
- Kiran Lakshmi M S, Aiswarya C, **Nayana P**, Prasanta K Dash, Padma Nambisan (2018). Enhancement of extracellular laccase production from *Lenzites elegans* KSG32: Taguchi orthogonal array experimental design methodology. International Journal of Engineering Development and Research, 6(2): 369- 374.
- **Nayana P**, Aiswarya C and Padma Nambisan (2018). Screening of fungi isolated from different regions of Kerala for lignin peroxidase activity. International journal of current research in life sciences, 7(04): 1723- 1728.
- C. Aiswarya, **P. Nayana**, and Padma Nambisan (2018). Data of optimization of laccase production by *Marasmiellus palmivorus* LA1 under solid state fermentation using one factor at a time method. Data in Brief. <https://doi.org/10.1016/j.dib.2018.02.011>.
- Aiswarya C, **Nayana Parambayil**, Nafeesathul Miziriya; Soumya P S; Kiran Lakshmi M S, Anala Ramgopal, Anuja Dileep, Padma Nambisan (2017). Optimization of laccase production from *Marasmiellus palmivorus* LA1 by Taguchi method of Design of experiments. BMC Biotechnology 17,12.
- **Nayana Parambayil**, Aiswarya Chenthamarakshan, Arinnia Anto, Sudha Hariharan and Padma Nambisan (2015). Computational studies on LiP H isolated from *Ganoderma lucidum* GD88. Arch. Biol. Sci., Belgrade, 67(3):817-828.

Abstracts presented

- Safeeda, K. and **Nayana P** (2023). Generation of Nanofertilizer from *Allium cepa* and its Application on seed germination. Book of Abstracts 30th Swadeshi Science Congress. Page No. 57.
- Rinshida N and **Nayana P** (2023). In vitro evaluation of ethanolic extract of *Coriandrum sativum* for anti-urolithiatic activity and phytochemical characterization. Book of Abstracts 30th Swadeshi Science Congress. Page No. 145.
- Ashfena C and **Nayana P** (2023). Optimization of single cell protein production from easily available vegetable *Cucumis sativus* by *Saccharomyces cerevisiae*. Book of Abstracts 30th Swadeshi Science Congress. Page No. 168.
- **Nayana P**, Aiswarya C and Padma Nambisan (2016). Screening of fungi isolated from Western Ghats and other regions of Kerala for lignin peroxidase activity. Proceedings of 28th Kerala Science Congress.
- **Nayana P**, Aiswarya C, Soumya P S and Padma Nambisan (2017). Exhibition of lignin peroxidase like activity by *Cocos nucifera* leaflets. Proceedings of 29th Kerala Science Congress.
- Aiswarya C, **Nayana P** and Padma Nambisan (2016). Isolation of a novel laccase producing fungi from Kerala. Proceedings of 28th Kerala Science Congress.
- Aiswarya C, Nafeesathul Miziriya, **Nayana P** and Padma Nambisan (2017). Optimization of laccase production from basidiomycetes fungi by one factor at a time method. Proceedings of 29th Kerala Science Congress.

Book Chapter

- Safeeda K and **Nayana P** (2023). Nanofertilizers: Benefits, Production from *Allium cepa* and Its future outlook. Homo Scientia, ISBN-978-81-967132-6-3.
- Kiran Lakshmi M S, **Nayana P**, and Padma Nambisan. Ligninases. Microbial bioproducts, 150-165. ISBN-978-93-800095-51-6

Patents Applied

- **Nayana P**, Ashfena C, and Balagopalan Unni (2023). Single Cell Protein and its process of preparation (**Patent Application No.: 202341058836**) -Published
- **Nayana P**, Safeeda K, and Balagopalan Unni (2023). Nanofertilizer composition and its process of preparation (**Patent Application No.: 202341058794**)-Published

(Attach reprints)

WORKSHOPS ATTENDED:

- Attended one week national workshop on **NGS data analysis** from May 8th -13th 2017 organized by AiCADD, SIUCEB, DBT-BIF centre, Department of Computational Biology & Bioinformatics, University of Kerala.

TRAININGS ATTENDED / FDP'S / REFRESHER PROGRAM:

- Completed KSCSTE-SRIBS sponsored short term training on NMR at MG University, Kottayam, Kerala.

- Served as resource person in the KSCSTE sponsored short term training programme “Tools and techniques in Molecular Biology and Bioinformatics” conducted at Department of Biotechnology, CUSAT.
- Attended national seminar on “Advances in Biotechnology” organized jointly by the department of biotechnology, Cochin University of Science and Technology and people of the Biotech Alumni (pBAC), CUSAT.
- Participated in the 27th Kerala Science Congress held at Alappuzha from 27th to 29th January 2015 under the focal theme- Traditional industries.
- Participated in the 28th Kerala Science Congress held at University of Calicut, Malappuram from 28th to 30th January 2016 under the focal theme – Climate change and its impact on water resources in Kerala.
- Participated in National Science Day Celebration on 25th February 2016 under the focal theme – “Make in India: S&T driven innovations”.
- Participated in International ozone layer preservation day with foal theme: “Ozone layer protection the mission goes on”, on 26th September 2014, organized by Department of Biotechnology, CUSAT, Cochin22.
- Attended national seminar on “Advances in Biotechnology” organized jointly by the department of biotechnology, Cochin University of Science and Technology and people of the Biotech Alumni (pBAC), CUSAT.
- Participated as Faculty speaker in Friday Seminar by the Faculties, Faculty Development Program in the even semester 2022 at GEMS Arts and Science College.

AWARDS AND ACHIEVEMENTS:

- Finalist in the **7th Edition of GBP’s Talent Search Contest** On Innovative Research ideas Leading to Entrepreneurial Venture in Biotechnology and Allied Areas, 2023.
- Two patents published (**Patent Application No.: 202341058836,202341058794**).
- Member of Society of Biological Chemist, India.
- Qualified **KSCSTE JRF (Kerala State Council for Science Technology and Environment Junior Research Fellowship)** 2013.
- Qualified **ICAR-ASRB (Indian Council of Agricultural Research- Agriculture scientist Recruitment Board) NET (National Eligibility Test)-2018**.