

## **Dr. Bharathi Prakash**

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### **Research**

**A research work entitled on “A study of biofilm forming organisms isolated from dentures” leading to PhD awarded from Mangalore University in 2013.**

**Teaching for UG and P G. Microbiology, Bioscience and Biotechnology at University College and Mangalore University Mangalore.**

### **Research Projects guided at Microbiology Department**

1. Effect of VAM and biofuel cakes on the paddy growth
2. Biodiesel preparation using of Pongamina Seeds
3. Biogas production from various biomass and agricultural waste
4. Assessment of Biofuel efficiency on the vehicles.
5. Use of waste rose petals for skin care home made products
6. Biofuel cakes using waste flowers from the temples.
7. Biofuel briquettes making from the bagasse.
8. Antifungal effect of Banana peels on scalp fungi.
- 9 Reusing fried cooking oil for the renewable energy source under RUCO
10. Evaluation of Multiple enzyme synthesizing bacteria from marine sand and sea weeds
11. Effect of spice aroma on the bacterial and fungal growth
12. Comparative evaluation of chilly extract and chili sauce on gut microbe.
13. Screening of amylase producing organisms from soil.
14. Antibacterial and analgesic effects of *Spilanthus calva* using local species.
15. A Study of ‘**Cave Flora**’ form the in the ancient temple in Mangalore
16. A Study of water testing facilities in Mangalore.
17. Evaluating the validity of hand sanitizers from hospitals
18. Evaluating the hand flora from science and non-science teachers correlating to their health status.
19. Study of *E.coli* growth on the EMB agar and Hi Crome Coliforms agar for testing water quality.

20. Evaluation of WHO formulations of sanitizers against hand flora.
21. Evaluating antibacterial and antifungal activity of orange peel essential oil.
22. Metagenomic analysis of debris from 150-year-old building of University College, Mangalore.
23. A Study of biodiversity of mushrooms in the college campus.
24. Evaluating antibacterial effect of Tulasi, turmeric and pepper of local variety.
25. Effective use of GPS to prevent post-harvest crop - food spoilage.
26. Evaluation of bacterial contamination in the 6 variety of cosmetics.
27. Effect of various natural dental cleansers on the *streptococcus salivarius* as anticaries agents.
28. A Study of survey for the exchange of reused waste oil to fuel.
29. Evaluation of microbial load on the coffee cherry relating to its economic loss.
30. Multienzyme producing fungi isolated from Mangalore coast.
31. Use of Spice aroma to prevent food spoilage.
32. Response of gut microbe to the chili extract and processed chili sauce
33. Comparative Evaluation of EMB and Hi crome Coliform A gar for Differentiation of *E. coli* in Fresh water.
34. A Study of Actinomycetes from mangrove forest.
35. To study the Effect of deodorant on armpit microflora
35. Study of socks microflora using Hi Crome UTI media.
- 35A study of enzymatic activity of bacteria isolated from marine and river water
- 36 A Study of microplastics n the drinking water of Mangalore
- 37.A Study of microbes in vegetable Kanji
- 38 Study of microbes in vegetable kanji
- 39.To study the Prevalence of waterborne diseases in Mangalore.
40. Screening of Oil degrading bacteria from oil contaminated sites.
42. Screening of Actinomycetes from Mangroves of Mangalore Sea coast.
- 43 Preparation of Probiotic ice-creams made from jaggary
44. Evaluation of antimicrobial effect of homemade herbal soaps on microbes.
- 45 Evaluating the hydrocarbon degrading ability of Microbes across the fresh and marine water sources.
46. Isolation and antibiogram profiling of Plastic associated bacteria from Mangalore sea coast ,Karnataka

## PhD Guidance- Supervising 4 research scholars in their PhD from Mangalore University

### Research projects -Funded Projects

Sl No	Project	Funding agency	Year	Amount	Satatus
1	INSPIRE- Innovation in science pursuit for inspired research	Dept. of Science and Technology, (DST) New Delhi	2016	11 Lakhs/-	Completed
2	Minor Project-Hand flora and health status of science teachers –a correlative study	Mangalore University, Mangalore	2016	55000/-	completed
3	INSPIRE- Innovation in science pursuit for inspired research	Dept. of Science and Technology, (DST) New Delhi	2017	11 Lakhs/-	Completed
4	INSPIRE- Innovation in science pursuit for inspired research	Dept. of Science and Technology, (DST) New Delhi	2018	11 Lakhs/-	Completed
5	Public Participation in Mitigating Water born Disease using Foldscope as a Tool in Tribal Region of DakshinKanada.	Dept. of Biotechnology, (DBT) New Delhi	2018	Rs 8 Lakhs	Completed
6	INSPIRE- Innovation in science pursuit for inspired research	Dept. of Science and Technology, (DST) New Delhi	2019	11 Lakhs/-	Completed
7	<b>“IIRPSG-2025-01-03626”, titled “Tributyryl-cyclodextrin capsules co-loaded with inulin and lactic acid bacilli for management of gut microbiota dysbiosis.”</b>	ICMR-Indian council of Medical Research  As Co PI jointly with Dr Shaila Lewis of Manipal college of pharmacy, Manipal.	2025  3 yrs	56 Lakhs	Approved On going As Co-Pi

## 5 Patents granted-4 Indian patents and 1 UK patent.

1. A Lab glassware patent is awarded for industrial design by Indian patent office.
2. patent is published on **Industrial production of clear and glossy liquid**
3. Patent awarded 'Smart solar Vessel for water pasteurization'
4. Indian design patent on "Glucose level monitoring device" was awarded in 28/8/23.
5. UK design patent received on Lung cancer detecting device.

Orientation programme, Refresher course, Faculty development programme and Short term course completed. Name of the Course/Summer School	Organizer, Place	Duration		Sponsoring Agency
		From	To	
1. 3 weeks Orientation course	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	July 2014.	30 <sup>th</sup> July 2014.	UGC –HRDC Center
2. Two weeks refresher course In Life Science.	At UGC –HRDC Center of Pondicherry University, Pondicherry.	December 2016		UGC –HRDC Center
3. Two weeks Refresher course On Life Science. (Online Mode)	UGC –HRDC Center Bangalore University Bangalore	14 <sup>th</sup> Dec 2020	28 <sup>th</sup> Dec 2020	UGC-HRDC
4. FDP- A 7 days online Faculty development programme on "ICT Tools – an emerging trends of teaching. (Online Mode)	Besant College, Mangalore	24 <sup>th</sup> August 2021	30 <sup>th</sup> August 2021	Besant College, Mangalore
5. FDP - A 7 days online FDP Faculty development programme on 'Entrepreneurship, Incubation and Innovation'(Online Mode)	Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ramanujan College, New Delhi.	23 <sup>rd</sup> June 2020	29 <sup>th</sup> June 2020	Madan Mohan Malviya National Mission, MHRD Govt.of India, New Delhi.
6. Two weeks Refresher course in Biochemistry and Biotechnology. (Online Mode)	UGC –HRDC Center of Bharathidasan University, Tiruchirappalli	7 <sup>th</sup> October	20 <sup>th</sup> Oct 2022	UGC-HRDC
5. FDP- A 7 days online				Science

Faculty development programme on <b>‘Science Leadership Workshop’</b> was attended conducted by science Academies of University of Bhatinda. (Online Mode)	Science Academies of University of <b>Bhatinda</b>	22 <sup>nd</sup> June 2020	28 <sup>th</sup> June 2020	<b>Academies of University of Bhatinda</b>
<b>6. FDP-One week Faculty Development programme on “Insights on writing proposals and funding opportunities”</b> (Online)	IQAC CELL St Joseph Engineering College, Vamanjoor <b>Mangalore.</b>	20 <sup>th</sup> July 2020	24 <sup>th</sup> July 2020	<b>Research and facilities group, St Joseph Engineering College, Vamanjoor Mangalore.</b>
<b>One-week online FDP ON” ICT Tools -an emerging trends of teaching “</b>	IQAC, Besant college, Mangalore	24 <sup>th</sup> August	30 <sup>th</sup> August 2022.	IQAC, Besant college, Mangalore
<b>7. FDP- Short term on “Exploring AI - Multidisciplinary perspectives and applications”</b>	Calicut MMTTC Malviya mission Teachers Training Center	7.8.24	13.8.24	UGC center Malviya mission Teachers Training Center
<b>8. Refresher course</b>	Sardar Patel University, Gujarat.	14.10.24	27.10.24	UGC center Malviya mission Teachers Training Center
<b>9. A 3 days’ workshop attended on ‘Recent trends in crystal growth RTCGT - 2024</b>	Satyabhama Institute of science and Technology, Chennai.	On 8 <sup>th</sup> Feb 2024	10 <sup>th</sup> Feb 2024	Satyabhama Institute of science and Technology, Chennai.
<b>10. One week FDP Attended on Research Methodology at University College, Mangalore</b>	IQAC and Research Forum of University College, Mangalore, and Mangalore University	21.4.25	6.4.25	IQAC and Research Forum of University College, Mangalore,

### Achievements:

- A. Honored as Value added service Award on Womens Day by Max Life ,Mangalore March 2024.
- B. Honored as Women scientist in Microbiologist by Alva's Education Trust, Moodbidri ,DK.IN 2018 2022
- C. Conducted DST Sponsored INSPIRE Science internship camp of 5 days for 4 years in Mangalore science center.
- D. Two projects of Microbiology dept. were approved by **Govt. India under Swachhta Saarthi Fellowship (SSF)** and two **Microbiology** students got the fellowship for one year.

### **Certificate course completed**

1. Certificate course in Biosecurity-Next Generation Bio Risks Certification Course Knowledge Test was passed with 91.49% on August 12, 2021. Conducted by Biotechnika.
2. Certificate course on Water analysis byILTS, was completed in Dec 2024.conducted by MBSI

**Awards** -Visiting fellowship is awarded by Jawaharlal Nehru center for advanced studies and Research, Jakkur, Bangalore 2017.

- Honored as 'WOMEN SCIENTIST' for the research contribution in Microbiology by ALVAS Education Foundation, Moodbidri, and Karnataka on 18<sup>th</sup> March 2022.

### **B, Best paper Award- International.**

1. Won Best paper presentation award **for the paper "To study the effect of aromatic compounds on microbes using domed petri dish ---A design patented" online at International conf. of Avinashlingam institute,Coimbatore for Home science and higher education for women, on Challenges and opportunities in bioproduct development. on 7<sup>th</sup> Feb 2024.**

2.. Received '**Best Paper award**' for the paper 'Evaluation of microbial load on the coffee cherry relating to its economic loss' presented in an International conference at Paris, France in October 2018.

3. Received 'Best paper presented award' for the '**Water analysis of wells in Vamanjoor, Dumping Yard, and Mangalore.** 'at the International conference held at Don Bosco Engr. College, Goa on 2<sup>nd</sup> Nov 2019.

1. Received "Appreciation award 'by Principal University College, for conducting

- DST sponsored INSPIRESCIENCE Internship camp for 4 times in Mangalore.
2. Received Appreciation certificate from the Commissioner of Mangalore City Corporation for the best water testing service provided during water scarcity in 2016 in Mangalore.
  3. Initiated water Analysis service for public in our department as an extension service.
  4. Worked as a “Chief Editor” for the souvenir “Origene” –proceeding of national workshop.
  5. Completed Karnataka Government’s Peoples Biodiversity Register preparation of 5 Gram panchayat in Mangalore District.
  6. Member of Institutional Biosafety and Bioethics committee in two institutes in Mangalore.
  7. Worked as a chief co-coordinator of Hospital Infection Control, at Omega Cardiac Hospital, Mangalore.
  8. With the help of Quality team, Omega Laboratory has got a NABL accreditation by DST, New Delhi to Omega Cardiac Hospital and Mangalore in 2012.
  9. Worked as dietician ‘Diet adviser’ in the ‘Diabetic center” of KVG Medical College, Sullia. For 3 years.

### **Administrative Role-**

1. Head, Department of Microbiology, University College, Mangalore
2. COVI19 Nodal officer, University College, Mangalore.
3. Convener, ‘College –Industry interaction cell’ ,University College, Mangalore
4. NAAC Coordinator for Research, Innovation and Extension.
5. Governing Council Member of Sharada Degree College, Talpady, and Mangalore.
6. Served as Deputy chief of examinations from Mangalore University at Motimahall college of Hotel management and at Besant women’s college,Mangalore.in 2018 and in 2022
7. Governing council member at Govt Degree college of Vittala.in 2022
8. Diet advisor at NGO on Food Literacy, **Tharunum** at Telangana.
9. Coordinator Research Forum, University College Mangalore.
10. Coordinator Womens Forum, University college, Mangalore
11. Coordinator, Placement and career Guidance cell,of our college
12. Former Member, Biosafety committee Nitte University, Mangalore
13. Chairman and member of Board of studies and examination for Microbiology, Biotechnology and Home science. since 2021

### **Publications- Book chapters and research papers**

#### **Book chapter –**

- 1.Public participation in mitigating water borne diseases using foldscope as a tool in tribal region of

dakshina kannada, **Bharathi Prakash**, G D Khedkar, S P Jeevan, K.E. Prakash, Vani prabhu,  
Book Foldscope and its applications Volume -1, 2019, Page-18 to 23.

2. **Hindi Vishwa Hindi samaj- Tulunadu ki khadya sansriti** , Volume 9,May 2022 Pg No.40-43 ISSN No. 2321-9645 Dr Bharathi Prakash

3. A book chapter ‘Microbiological remediation of oil contaminated sites’ is published in the book ‘Futuristic Research trends of 2025’, Pg :417-429, by IIP Publishers October 2025.**ISBN:978-93-7020-509-3**

### **Book-**

1. Dr. Bharathi Prakash published A HAND BOOK on ‘Hand Hygiene and Health awareness’ to commemorate 150 years of University College. in 2019

### **Encyclopedia/Book Chapters:**

2. Bharathi Prakash *et.al* Foldscope and its applications, “Public participation in mitigating waterborne disease using foldscope as a tool in tribal region of Dakshina kannada”.by National press Associates. New Delhi, ISBN No: 978-93-85835-68-1, 2019, Page 18 to 23. Funded by DBT.
1. Khedkar G.D.,Bharathi Prakash, C.D. Khedkar, B.A.,Chopade, *Nucleicacids*. Encyclopaedia of Food and Health, Elsevier, London, UK. ISBN no. FOHE/9780123849472,2015
2. Khilare VC, Bharathi Prakash, K.V. Saritha, G D Khedkar, C D Khedkar *Mushrooms And Truffles: Role In The Diet*. Encyclopaedia of Food and Health, Elsevier, London, UK. ISBN no. FOHE/9780123849472, 2015
3. Micorbiological remediation of oil contaminated site , Pg-IIP Publications

### **Monograph**

1. ‘Test, use, and save the precious drop’. Published in Daijiworld. 2015
2. ‘**Food –Today and tomorrow**’. Published in Daijiworld. 2016
3. ‘**Microscope that fits in your pocket**’ published in Daijiworld, May 2019
4. “**Our Biodiversity-our food, our health**” published in Daijiworld June 7, 2019
5. ‘**Green Fuel-Turn your fried oil into Biodiesel**’ in a E-Newsletter, ECOPRENEUR, published by NGO of Hyderabad in March 2021.

<https://theecopreneur.in/2021/03/01/the-ecopreneur/>

6. ECOPRENEUR, published by NGO of Hyderabad in March 2021 Recipes for Restoration:

University college, Mangalore students attempted a unique initiative to preserve 100 plus Tulu Nadu's food recipes, E-Newsletter, ECOPRENEUR, published by NGO of Hyderabad in October 2021.

7. An article on 'Khandya sanskruthime Vyanjanonki Vividhata' published in the Hindi book Vishwa Sneha Samaj ISSN Number 2321-9645, Issue 9, May 2022.

### **Conference proceedings**

1. **E-Book of International E- conference on Foldscope and its applications "INECFAIA-2020" June 20-21,2020.**
2. **Economics-**

### **Raw sequence Reads submission to NCBI -**

*Raw sequence reads of the Bio project 'Metagenomic study of Ravindra Kala Bhavan-Heritage Building of University College, Mangaluru.' submitted to NCBI Sequence Read Archive (SRA) published on 1/4/2020.*

NCBI Bioprojects (16 microbial metagenomics)

2. Accession: PRJNA792461 ID: 792461

### **Mapping the microbial communities across the Indian Coast line using 16s metagenomics.**

**Gulab Khedkar, Vidya Niranjana, Mahesh Salunke, Rajshri Deolalikar, Amol Kalyankar, Sanil Ravindranathan Pillai, Bharati Prakash, Chandraprakash Khedkar, Lavanya C, T S Pooja Sree**

3. Accession: [PRJNA757935](#) • [SRP334485](#)

Metagenome analysis of Sanitary Pads

Gulab Khedkar, Vidya Niranjana, Bharati prakash, Jyosthna, Chandraprakash khedkar, Suchithra V, Lavanya C, Anita Tiknaik, Rajashree Deolalikar, Amol Kalyankar, Mahesh salunke, Deeplai Sangale

4. Accession number -- Pstuzerimonas sutzery.

4. Accession number of bacteria isolated from the engine oil contaminated soil.Psuserimonas suzery.

### **Research Publications**

1. P. Bharathi, P.P. Bhowmick, M. Shekar, I. Karunasagar (2010), Biofilm formation by pure and mixed culture of *Lactobacillus* isolates on polystyrene surface in varying nutrient conditions. Journal of Bioinformatics, Biotechnology and Bioengineering. 93-98, Vol1(1),2011. Society of Applied Botechnology.

2. P. Bharathi, Malathi Shekar, Indrani Karunasagar. Evaluation of antimicrobial activity of *Lactobacillus* species associated with dentures. Journal of Bioinformatics, Biotechnology and Bioengineering.235-239, Vol1 (2), 2011.Society of Applied Botechnology. Impact Factor -0.9

3. Bharathi Prakash, Malathi Shehkar, Shrishma Padiyath, Biswajitmaiti, Indrani Karunasgar. Prevalence of *Candida* spp. among healthy denture and non-denture wearers with respect to hygiene and age. The Journal of Indian Prosthodontic Society, Vol. 15, Issue 1, 2015. ISSN 0972-1052. Print ISSN 1998-1057. **Impact Factor 1.412**
4. Govindappa M, Chandrashekhar Naik, Bharathi Prakash, Chennabasava, Anticoagulant activity of partially purified coumarin(s) extracts of *Sonchus oleraceus*, Advancement in Medical Plant Research, 87-91, Vol 3, Issue 6, 2015. ISSN:2354-2151. I F 0.6, SJIF-5.008. **Impact Factor- 2.63**
5. Chidanand Gavimath, Bharathi Prakash, K. E. Prakash, Basavraj MALI, Vinay Hooli, Kembavimath Kotraswamy., Evaluation of properties of Biodiesel and performance Analysis of Blended Pongamia Biodiesel. AE International Journal of Multidisciplinary Research pg 1-8, Vol 3, Issue 6, 2015. ISSN- 2348-6724. [www.aeph.in](http://www.aeph.in). **Impact Factor 2.72.**
6. Bharathi Prakash, Sumangala C, Biogas production using various agricultural waste, International Journal of Emerging Engineering Applications and Bio-Science, Vol. II, Pg-4-9, 2015. ISBN:978-5009-346-7. **Impact Factor-6.2**
7. Govindappa Melappa, Shilapashree C B, Chennabasva, Bharathi Prakash, In Vitro Antimycotic, Antiproliferative and GC-MS studies on the methanolic extract of endophytic fungi, *Penicillium* species of *Tabebuia* Bur & K. S C H, Farmacia, 2017, Vol 65, 2 Pg. 301-309. **Impact Factor-0.86**
8. Bharathi Prakash, Sumangala CH, Govindappa and Chidanand Gavimath, Evaluation of Antifungal, Activity of Banana peel Against Scalp Fungi., ICNANO 2016 Proceedings, Materials Today, and Science Direct. **Impact Factor 0.71.**
9. Nadeem Ahmed, Deepali Sangle, Anitha Titnayak, Bharathi Prakash, Rutuja Hange, Ravindranathan Pillai, Sajid Khan, Gulab Khedkar. Authentication of origin of meat species processed under Indian culinary procedure using DNA barcoding, Food Control, 90 (2018), 259-265. **Impact Factor-3.75.**
10. Vikram Khilare, Anita Tiknaik, **Bharathi Prakash**, Ganesh Korhale, Balasaheb Ughade, Dinesh Nalage, Nadeem Ahmed, Chandraprakash Khedkar, Multiple tests on saffron find new adulterant materials and reveal that 1<sup>st</sup> grade saffron is rare in the market. FOODCHEM-D-18-02742. Volume 272, Jan 2019, Pages 635-642. **Impact Factor 3.391**

11. Tiknaik, Anita D; Kalyankar, Amol; Singare, Mahesh; Surwanshi, Rahul; Sontakke, Tejaswini; Nalage, Dinesh; Pillai, Sanil; Prakash Bharathi; Khedkar, Gulab"Refutation of media reports on introduction of Red Bellied Piranha and its concern to aquatic biodiversity in India" Mitochondrial DNA Part A May 2019.ISSN :2470-1394 (Print) 2470-1408 (online),Taylor & Francis , **Impact Factor.3.50**,
12. Arunk. kudoth, Vivek M Ghate, Shaila A lewis, Bharathi Prakash, Vishalakshi badlamooole, Pectin Based silver nanocomposite film for transdermal delivery of donepezil, Int J Biological Macromolecules, 134 ,2019,pg269-279. **Impact factor 3.9**
13. Bharathi Prakash, G.D.Khedkar, Foldscope-an amazing scientific tool!, Journal of Emerging technologies and innovative research,Vol6,Issue6,June 2019.pg-517-518.**Impact Factor-7.95**
14. Bharathi Prakash, G.D. Khedkar and S P Akshay, 'Newer aspects of diagnosis and treatment of fungal infection-A Review.,Int J of Current Microbiology and applied science,Vol8(6),2019,pg-1873-1876.**Impact Factor-5.53**
15. GulabKhedkar,C Khedkar,Bharathi Prakash, Aniket Khedkar, David Haymer. DNA Barcode based identification of a suspected tiger skin : case to resolve mimicry.Forensic Science International:Reports. August 2019. 1:1-3, 100027.**Impact Factor -1.22**
16. Bharathi Prakash,IndraniKarunasagar,IddyaKarunasagar,GD Khedkar,**Denture wearers show more diversity of Lactobacillus spp. than Klebsiella spp compared to non-denture wearers**, Int J Scientific Research, Oct. 2019, 8(10):1-3. ISSN No. 2277-8179, DOI:10.36106/jisr, Impact Factor- 9.1
17. .Aleksandra Kurowska<sup>1</sup> &Vivek Ghate<sup>1</sup> &Arun Kodoth<sup>2</sup> &Aarti Shah<sup>3</sup> &Abhishek Shah<sup>4</sup> &Badalamooole Vishalakshi<sup>2</sup> &**Bharathi Prakash**&Shaila A. Lewis, **Non-Propellant Foams of Green Nano-Silver and Sulfadiazine: Development and In Vivo Evaluation for Burn Wounds**,Pharm Res (2019)36:122.Springer.  
<https://doi.org/10.1007/s11095-019-2658-8> **Impact Factor- 4.1**
- 18 A. Jayashree,a B. Narayana, Gauthama B. Uppine, Vivek M. Ghate,Shaila A. Lewis, Bharathi Prakash, Sarojini B. Kunhanna, and Madan S. Kumare, **ZnONanocatalyst Mediated Convergent Synthesis of Highly Substituted Imidazole and Imidazole-derived Bi-heterocyclic Scaffolds as Potential Antibacterial Agents**, J. Heterocyclic Chem., 56, 2398-2410. (2019).DOI 10.1002/jhet , **Impact Factor- 2.4**

19. Anita Tiknaik, C.D. Khedkar, G.D. Khedkar, Bharathi Prakash, Dadala Mary Mamatha, Deepali Sangle, Amol Kalyankar, **Microsatellite Genotyping corroborated loss of genetic diversity in *Clarias batrachus* as a result of Lack of regulatory reforms in aquaculture**, Biochemical Genetics, 2020 ISSN -2928, DOI 10.1007/s 10528-020-09963-0, SPRINGER PUBLICATION. **Impact Factor-1.8**
20. Deekshitha, Maithri P. \*, Prathika, Shrinidhi M, Ushalatha B, Divya, Yamuna, Chandana H.C\*, Archana, P. PBhagyashree, Shrikavya, Mahsoosa Sumangala C H, Bharathi Prakash **Spice aroma to prevent fungal food spoilage.**, **Research and reviews in Biotechnology and Bioscience, 2020, Impact Factor 5.53.**
21. Shrinidhi M, Bharathi Prakash, G. D Khedkar<sup>2</sup>, Deekshitha, Maithri P. V, Prathika, Ushalatha B\*, Divya, Yamuna, Chandana H.C, Mahsoosa, Archana P. P, Shrikavya, Bhagyashree Sumangala C H, **Response of gut microbe to the chilli extract and processed chilli sauce.** Research and reviews in Biotechnology and Bioscience. 2020 **Impact Factor 5.53.**
22. Prakash KE, Bharathi Prakash, Nethravathi, **Innovative methods of teaching. Indian Society of technical education**, conference Proceedings, 2018 pg 27-31, Vol. 3 Conf .Proceedings
23. S M Arif, Chetana, Huligesh, Sahana, Sumangala C. H, Dr. Bharathi Prakash **Multienzyme Producing Marine Fungi from the Mangalore Seacoast**, Research & Reviews in Biotechnology & Biosciences ISSN No: 2321-8681, Volume-8, Issue No: 1: 2021, PP: 1-5. PP: 1-5 DOI: <http://doi.org/10.5281/zenodo.5118371>, Impact Factor-5.53
24. Metagenome Profiling of Anterior Uterine Samples to Improve in-vitro Fertilization Success Ratio. , <https://doi.org/10.21203/rs.3.rs-1020192/v1>
25. New mitochondrial genome resource for resolving the grey langur species complex, Research Square <https://doi.org/10.21203/rs.3.rs-282571/v1>
26. Reappraisal of the sub species hypothesis for Gangetic dolphins based on mitochondrial genomics, Research Square. DOI: <https://doi.org/10.21203/rs.3.rs-805868/v1>
27. Metagenome Profiling of Anterior Uterine Samples to Improve in-vitro Fertilization Success Ratio

Gulab Khedkar, Manju Jilla, Vidya Niranjana, CD Khedkar, Amol Kalyankar, Rajshree Deolalikar, Chaitali Khedkar, Bharathi Prakash, P Josthna, Pramod Yeole, K Piyusha, C Lavanya. , 2021 [researchsquare.com](https://www.researchsquare.com), 5.November 2021 , **doi:** <https://doi.org/10.1101/2021.08.06.21261491>

28. Infected surfaces as a source of transmissible material in healthcare settings dealing with COVID 19 patients Gulab Dattarao Khedkar, Pramod Bajaj, Amol Kalyankar, Rajeshree Deolalikar, Vikram Khilare, Aniket Khedkar, Rahul Bajaj, Chandraprakash Khedkar, Bharathi Prakash, Chaitali Khedkar, Sunil Chavan, P Jyosthna, Vidya Niranjana, Manju Jilla, Unmesh Takalka , August 2021 [medrxiv.org](https://www.medrxiv.org), **doi:** <https://doi.org/10.1101/2021.08.06.21261491>

29. Ginikachukwu Grace Nnabuikea, Sunita Salunke-Gawali , Archana S. Patil , Ray J. Butcher, Joshua Ayoola Obaleye , Harsha Ashtekar, Bharathi Prakash, **Copper(II) complexes containing derivative of aminobenzoic acid and nitrogen-rich ligands: Synthesis, characterization and cytotoxic potential** Journal of Molecular Structure, Volume 1279, 5 May 2023, 135002. Elsevier publications **SJR Ranking Q 2, Impact Factor 4.2**

30. Ginikachukwu Grace Nnabuike , Sunita Salunk -Gawali , Archana S. Patil , Ray J. Butcher, Joshua Ayoola Obaleye , Harsha Ashtekar , Bharathi Prakash Cobalt(II) complexes containing mefenamic acid with imidazole and pyridine base auxiliary ligands: Synthesis, structural investigation and cytotoxic evaluation, **Journal of Molecular Structure**, 1285 August (2023), 135519. Elsevier publications, **SJR Ranking Q 2, Journal of Molecular Structure-4.2**

31. Comparative evaluation of EMB agar and chromogenic coliforms agar for the detection of *E coli*. In water samples. Research and reviews in Biotechnology and Bioinformatics. Sumangala.C.H. Bharathi Prakash, Rajathadri, Chethanraj, Sathyanarayana, Nithesh, Sunita Salunke- Gawali. Volume 10(1), Page 1-6. ISSN No. 3221-8681, <https://doi.org/10.5281/zenodo.8195054>. **Impact Factor-5.53**

32. The dark side of saffron: Unmasking the epidemic of adulteration in the market, Food Chemistry  
Dr. Gulab Khedkar  
Vikram Khilare, Rajeshree Deolalikar, Chandraprakash Khedkar, Amol Kalyankar, Bharathi Prakash, Nitin Kalyankar, Shankar Mutkule, M.S.c; Sanil Ravindranathan Pillai, Ph.D.; Anil Puinya, Ph.D.  
Manuscript Number: FOODCHEM-D-23-08562 **Impact Factor-9.8**

33. Bharathi Prakash, K.E Prakash, GD Khedkar, Sumangala C H, Akshay S.P., Jeevan S P., Vani Shenoy, Kalavathi, Rakshitha **Seasonal coliform analysis of drinking water in Mangalore region of karnataka, India ,Indian Journal of Environmental Sciences, 27 (1), 2023, Pg: 33-38, ISSN 0971-8958. Impact Factor-6.3**

34. Ginikachukwu Grace Nnabuike; Sunita, Salunke-Gawali,, Manisha Gaikwad; Harsha Ashtekar; **Bharati Prakash**; Ray J. Butcher; Joshua Ayoola Obaleye,**Synthesis, characterization, and anticancer activity of Co(II), Cu(II), and Zn(II) complexes containing mefenamic acid and 2-methylimidazole** *Inorganica Chimica Acta*,563(2024) 1-11.pg:1-11.[www.elsevier.com/locate/ica](http://www.elsevier.com/locate/ica), Elsevier–ScienceDirect, 30<sup>th</sup> Dec 2023.**Impact Factor- 3.2**
35. Ginikachukwu Grace Nnabuike; Sunita, Salunke-Gawali, Archana Patil, Ray J. Butcher, Joshua Ayoola Obaleye Harsha Ashtekar; **Bharati Prakash**; Cobalt (II) complexes containing mefenamic acid with imidazole and pyridine based auxillary ligands: synthesis,structural investigation and cytotoxic evaluation. *Journal of Molecular Structure journal* Aug 2023. pg,1-12, [www.elsevier.com/locate/molst](http://www.elsevier.com/locate/molst) **Impact Factor-4.7**
36. Sunita Salunke-Gawali, Manisha Gaikwad; Ray J. Butcher; Bharathi Prakash  
Manuscript Number: MOLSTRUC-D-23-08677.Characterization, crystal structure and biological evaluation of copper(II) complexes of 2-hydroxy-3-nitronaphthalene-1,4-dione and (4E)-3-hydroxy-4-(hydroxyimino)-2-nitronaphthalen-1(4H)-one, *Journal: Journal of Molecular Structure*, Jan 2024, **Impact Factor- 4.7**
37. A. Jayashree,a B. Narayana,a, Gauthama B. Uppine,a Vivek M. Ghate,b Shaila A. Lewis,b Bharathi Prakash, Sarojini B. Kunhanna,d and Madan S. Kumare. ZnO Nanocatalyst Mediated Convergent Synthesis of Highly Substituted Imidazole and Imidazole-derived Bi-heterocyclic Scaffolds as Potential. *Jof Heterocyclic chemistry*, 2019, 1-13.Willy Periodicals .Inc.**Impact Factor-2.4**
38. Chaithra J. Rai a , Bharathi Prakash H.C. Ananda Murthy, Evaluation of biofilm formation by bacteria isolated from engine oil-contaminated soil and exploring its bioremediation potential in vitro,*J of Indian Chemical Society* ,101(2024)101249, <https://doi.org/10.1016/j.jics.2024.101249> ScienceDirect.**Impact Factor- 3.4**
39. Manisha Gaikwad, Sunita Salunke-Gawali, Vivek Mokashi, Ray J. Butcher, Bharathi Prakash, Synthesis, characterization, crystal structures, and toxicity studies of nitro-lawsone, its oxime derivative, and Cu(II) complexes,*J of Molecular structure*,1337 (2025)142195.<https://doi.org/10.1016/j.jics.2024.101249>. **Impact Factor- 4.7**
40. Prashantha Hebbar, Oh Bi Han, Ng Xin Yan, Dominic Kay, Kwa Yee Chu, James Sy- Keen Woon, Pang Kok Lun, Shama Prasada Kabekkodu, Alevoor S. Bharath Prasad, Bharathi Prakash, Nadine Nograles, Mahibub Mahamadsa Kanakal, Michaela Goodson, Shubhada Nagaraja and Roshan Mascarenhas. **Characterization of microbiome diversity unveils substantial microbial variation in mangrove soil sediments from coastal regions of Malaysia**, *Access Microbiology*, Prashantha Hebbar, Oh Bi Han, Ng Xin Yan, Dominic Kay, Kwa Yee Chu, James Sy- Keen Woon, Pang Kok Lun, Shama Prasada Kabekkodu, Alevoor S. Bharath Prasad, Bharathi Prakash, Nadine Nograles, Mahibub Mahamadsa Kanakal,

Michaela Goodson, Shubhada Nagaraja and Roshan Mascarenhas.: 000902.v3. pg1-13. DOI 10.1099/acmi0.000902. v.3, **Impact Factor-0.374**

### **Google Scholar citations of the publications**

	All	Since 2020
<u>Citations</u>	583	504
<u>h-index</u>	12	11
<u>i10-index</u>	15	13 Citations 583

### **Institutional level publications**

1. Published 3 Inspire science internship camp book of proceedings in 2016 and 2017 sponsored by DST, New Delhi.
2. Published a Hand book on ‘SAFE HANDS’ campaign under the flagship of of WHO, UNICEF and programs conducted on ‘Health awareness and Hand Hygiene’ for school children of Mangalore to commemorate 150<sup>th</sup> year of University College, Mangalore.
3. Water testing awareness hand bok and booklets from Microbiology Department.
4. ‘Origin’ Souvenir of DNA Barcoding concept and applications proceedings.

### **Academic visits abroad**

**Mauritius, Netherland, Singapore, Paris, Dubai, Japan**

### **Jury/Session Chaired-International symposium and conferences**

1. At Fukuoka, for a ‘Bioleaching -Microbial Technology’ session organized by dept. of Earth Sciences, Kyushu University, Japan on 6/12/2019.
2. Jury and chaired the session, at Two days international symposium on ‘Teaching ,research and innovative approaches in Life Sciences’ conducted by Post graduate dept. of Zoology at Sangamner Nagarpalika Arts, D J Malpani commerce and B N Sarada science college Sanganer Ahmednagar Maharashtra India on 9<sup>th</sup> and 10<sup>th</sup> Feb 2018.

## **Workshops organized and conducted 2013 onwards**

1. One day workshop organized on 'Food safety and standards training and certification programmes. FoSTaC under the flagship of FSSAI. On 12<sup>th</sup>. Sept 2025.
2. 5 Days Faculty development workshop organized for the teachers of our college on 'how to write research papers and ,ethics ,funding projects in Feb 2025
3. An Health and seminar workshop was conducted for girls of our college in association with Father Muller college of Nursing and Homeopathy.in March 2025.
4. 3 workshops on 'Making Job cards' was conducted for all the students of our college IN Feb 2025.
5. Workshop on skill development was conducted on "PM Internship scheme and MSME schemes for students' Feb 2025.
6. Indian handloom Fabric-exhibition cum workshop "Fiber to Fabric "was conducted for all the students as placement-oriented activity in Feb 2025.
7. Skill of 'Microscope and lab equipment's repair and maintenance' workshop was conducted for all the science teaching and non-teaching staff in march 2025
8. One day skill enhancement workshop on Soap, phenol and detergent making workshop was conducted in dec 2024 for the NSS and NCC students.
9. Work shop on 'Artificial jewelary making workshop was conducted fr the students of womens forum in Jan 2025.
10. Workshop on 'Soft Skill development' was conducted for all the staff of our college.
11. One day Workshop on Probiotics promoting Buttermilk campaign was organized on 19<sup>th</sup> Feb 2025
12. Participated in the National webinar on Protect Breast feeding – a message for mother to be in Aug.2022'organised by Inner wheel club and Besant's women's college, Mangalore.
13. Two days Hands on Bioinformatics workshop was organized at Microbiology Dept. of University College, Mangalore jointly with Dept. of Biotechnology, R V College of Engr. Bangalore on 22-23 Jan 2020.
14. Career guidance oriented workshop was conducted for our students by alumanis of our college dec 2024.
15. Intercollegiate workshop on PCR Technique and its applications at Microbiology Dept. of University College, Mangalore on 30<sup>th</sup> August 2019.
16. Organized a 'Igniting Interest in Basic science', an interaction Programme for high school students under CPE scheme of UGC on 11<sup>th</sup> and 12<sup>th</sup> Jan 2018at University College Mangalore
17. Conducted Two Foldscope application workshops in Guwahati schools of North east in June 2018.

18. Health awareness and Hand Hygiene workshop was conducted to our canteen staff I sept. 2019.
19. National workshop on “DNA Barcoding concept and application in 2015
20. Workshop on career guidance for degree students 2016.
21. Workshop on soft skills development 2017.
22. Organized a regional CME on “Accreditation and Quality control in Laboratory on 15<sup>th</sup> Dec 2012 at Omega Hospital, Mangalore.

### ***PhD thesis evaluation***

1. Mysore University in 2016
2. Dr Babasaheb Aurangabad Marathwada University, Aurangabad in 2021
3. Reviewer of Engineered Science Journal national journals. 2023
4. Reviewer and PhD thesis examiner for Nitte University, Mangalore 2023
5. Reviewer and PhD thesis examiner for Yenepoya University, Mangalore, 2024

### **Invited speaker/chairing the session/Panelist in 2020.**

1. Invited speaker at Sharadha College Talpady, Mangalore on Food Nutrition and Health organized by IQAC and Youth Red cross as a part of SAGE series of lectures on 11.11.24
2. Invited for atalk in Aquatic alchemy, a 5 days’ workshop on Enzyme purification techniques, Dept of Biotechnology A College of Engineering, Mudipu, Mangalore.
3. Invited speaker for a NSS camp at Kuthar Mavuru, Mangalore on 20/3 /2023
4. Invited speaker in the NEW BIOLOGY section of INDIAN SCIENCE CONGRESS held at Sant Tukadoji Maharaj University Nagpur from 3-7<sup>th</sup> Jan 2023.
5. Invited speaker at Rotary club of Mangalore North on “**Biodiversity and lifestyle**” on 4<sup>th</sup> April 2022.
6. Invited speaker for the UNNAT BHARAT ABHIYAN Programme at Srinivas University, Mangalore on ‘**Malaria awareness Programme-Prevention and precaution**’ .A train the trainers programme. 2022
7. Invited speaker at Modern Foods industry on ‘**Water testing and hygiene in the Industry**’ at Yeyyadi, Mangalore.
8. Invited speaker at Govt. First Grade college Mangalore on Dengue awareness programme. February 2020
9. Talk on zoom webinar programme jointly conducted by SINGAPORE BIOFILM SOCIETY (SNBC), Singapore and INDIA ABIOFILM SOCIETY, INDIA on 6<sup>th</sup> April 2021 on TOPIC ‘MIXED BIOFILM OF DENTURE LACTOBACILLI’.
10. Talk on zoom webinar programme of NBIC, National Biofilm London, and U.K. and India biofilm society on 13<sup>th</sup> Feb 2021 on ‘DENTURE BIOFILM’.

11. Invited speaker for a Refresher course at Dr BAM Aurangabad Marathwada University, Aurangabad on 7/1/2021
12. Invited as examiner /evaluator for the Book review of the refresher course participants conducted by Dr BAM University from 4/1/2021 to 18/1/2021 on 16/1/2021.
13. A talk on 'Foldscope for microbial water analysis 'was delivered on 21<sup>st</sup> June 2020 in a multi institutional E-Conference organized by Dept. of Biotechnology, Lyllapur Khalsa College of Jalandhar.
14. Talk on 'Biosafety and Biosecurity in the research Laboratory' at Biotechnology dept. of Mangalore University, Konaje, Managalore.
15. At ISO 9000, 2015 certified Amrutha Vidyalaya, Sultan Battery Mangalore.
16. Resource person and panelist for the one day awareness programme on "Biomedical waste management present status and future directions' at NITTE university jointly with Karnataka state pollution control board and District administration , DK district on 24<sup>th</sup> Jan 2020.
17. At DST Inspire boot camp at R V College of Engr. Bangalore on Basic science and research 28/12/19.
18. Key Note delivered in the International conference of Fukuoka, Kyushu University, Japan on 'Overview of the Coliform analysis of drinking water in Mangalore region of Karnataka, India on 5<sup>th</sup> Dec 2019.
19. At Srinivas Institute of Technology at Dept. of Nanotechnology valachil, Mangalore for a talk on 'Microbes in Nanotechnology' on 1/10/2019.
20. At NITTE University, Mangalore on 'Principles of Containment in Biosafety measures' in a workshop on 'Biosafety management in healthcare and research 'on 27.09.2019.
21. At Alvas College, Moodbidri on Micro spark-a' Importance of microbes in our life'on 6.9.2019
22. At Govt. PU College, Balmatta ,Mangalore for a Dengue awareness talk on 17.08.20129
23. At Motilal Nehru national institute of Technology, Department of Biotechnology, Allahabad (Prayagraj), Uttara Pradesh in March 2019.
24. DST-INSPIRE camp of Dr. Babasaheb Ambedkar Marathwada University Aurangabad On Educating Microbiology" in 2015, 2016,2017 and 2018
25. At Mangalore Zilha Panchayat, on Preparing Peoples Biodiversity Register organized by Karnataka Biodiversity board in 2018
26. DST -INSPIRE camp of PG Department of Science at Golaghat, Assam, North East On "Basic science and research on Microbiology" in 2017 and 2018.
27. At Taluk Panchayat ,Puttur on Preparing Peoples Biodiversity Register organized by Karnataka Biodiversity board in 2017
28. For a talk on 'Exploring Microbes by molecular techniques "at International conference at Sangmner at a Two days international symposium on 'Teaching ,research and innovative approaches in Life Sciences' conducted by Post graduate dept of Zoology at

- Sangamner Nagarpalika Arts, D J Malpani commerce and B N Sarada science college Sangamner Ahmednagar Maharashtra India on 9<sup>th</sup> and 10<sup>th</sup> Feb 2018.
29. DST –INSPIRE camp of Dr. Babasaheb Ambedkar Marathwada University Aurangabad On Microbiology and its applications” in November 2016
  30. On ‘Rejuvenating oral functions, at International conference on’ Frontiers in regenerative biology’ at University of Kolkata in 2016
  31. On “Molecular Techniques in identifying microbes” at National conference of DNA barcoding at Govt. ARTS and Science college of Ooty, Tamandu. 2016
  32. On” Techniques on Microbial sample collection” at workshop on ‘Foundation for Quality, ILQA, AHPI and Association of clinical biochemist of India at, Omega Hospital, Mangalore in 2016.
  33. On “Importance of Microorganisms in Periodontics” at KVG Dental College, Sullia, in Oct 2012
  34. Microbes in daily life-Rotary Club, Mangalore North, Mangalore 2012
  35. Microbes and lifestyle-Rotary Club of Mangalore Central Mangalore 2013
  36. Human Oral flora–concept of oral hygiene Talk at Dept. of Biotechnology, St ALOYCIUS College, Mangalore, 2012

### **Papers presented in National and international Conference/seminars**

1. **Paper presented on “Artificial Intelligence in Manuscript writing and Research”** AT Microcon 2025, International Conference at Yenepoya University, Deralakatte, Mangalore on Jan 25, 2025.
2. Paper presented on ‘**Evaluation of Microplastics in drinking water of Mangalore**’, at National conference conducted at Shree Devi Institute of Technology, Kenjar Mangalore.in August 2025.
3. Presents paper on “**Simple research leading to patents** “ at Alvas college Moodbidri on 19<sup>th</sup> April 2024.
4. Presented paper on “**Study of Oil degrading bacteria from the oil contaminated soil**” in a National conference on “Health, Food security and Environment in North East India, issues and challenges” organized by NITTE –NAMASTE CONCLAVE 2024 on 1- 2 March 2024. At Nitte Deemed to be University, Mangalore.
5. Presented paper on “**To study the effect of aromatic compounds on microbes using domed petri dish ---A design patented**” online at International conf. of Avinash lingam institute for Home science and higher education for women, on Challenges and opportunities in bio product development, on 7<sup>th</sup> Feb 2024. Won the first prize
6. Presented paper jointly on “**Evaluation of drinking water quality from wells of Mangalore region**” online at International conf. of Avinash lingam institute for Home science and higher education for women, on Challenges and opportunities in bioproduct development. on 7<sup>th</sup> Feb 2024

7. Presented paper jointly on “**Assessing the Biofilm Formation and Oil Degradation Potential of Bacteria Isolated From Engine Oil Contaminated Soil of Mangalore**” online at International conf. of Avinashlingam institute for Home science and higher education for women, on Challenges and opportunities in bioproduct development. on 7<sup>th</sup> Feb 2024
8. Presented paper on “**Assessment of the biofilm formation and oil degradation potential of bacteria isolated from engine oil contaminated soil of Mangalore**” Jointly with my research scholar at International conf of Avinash lingam institute for Home science and higher education for women, on Challenges and opportunities in bioproduct development on 7<sup>th</sup> Feb 2024.
9. Presented paper on “**Evaluation of drinking water quality from wells of Mangalore region**” Jointly with my research scholar online at International conference of Avinash lingam institute for Home science and higher education for women, on Challenges and opportunities in bioproduct development. on 7<sup>th</sup> Feb 2024.
10. Presented paper on “**Sanitation and public health status in the Tribal areas of Dakshinakannada**’ in the National conference of sociology on ‘Backward classes, sanitation and social development’ conducted at University College, Mangalore on 3<sup>rd</sup> Nov 2023.
11. Presented a coauthored paper on ‘**Pharmaceutical and Functional Properties of Wonder Flower: *Strobila Thes kunthiana* (Nees) T. Anderson ex Benthin** the National seminar organized by Microbiology society and StXavier’s college, Mapusa, Goa, on 6-7 Oct 2023.
12. International conference, Paper presented on “**Metagenomics study of samples from century building under restoration**” at XV Triennial & III International Conference of Indian Women Scientists' Association (IWSA) *Women in Science and Technology* June 11-13, 2023 (hybrid mode) at Navi Mumbai.
13. Oral Paper presented on “**Harnessing the potential of bacterial isolates in bioremediation of waste engine oil.**” in the national conference organized by Alva’s college and Karnataka state pollution control board, Mangalore on 5.5.2023.
14. Paper presented on **NEP 2020 for Biological Sciences**, at National Conference on “Implementation of NEP 2020, Challenges and way forward curriculum assessment outcome” at University College, Mangalore, on 26-05-2023.

15. International conference -Oral paper presented on **Efficiency of chrome agar over the EMB agar for *E coli* identification, with the theme Biotechnology for better tomorrow, conducted by Microbiology dept of Udayana University, Bali Indonesia** at international conference at Bali on 29<sup>th</sup> -30<sup>th</sup> October 2022.

15 Participated in a National seminar on ‘**Pollution and Bioremediation current scenario and future prospectus**’ at Mangalore University on 7<sup>th</sup> March 2020 organized by Dept of Bioscience and UGC sap.

**16 Presented paper in the National conference -Indian Economy in transition-Prospectus and challenges of Cooperatives on ‘Employment and Economy boosting by Biodiesel Plant using waste fried cooking oil on 19-20th Feb 2020 at University College, Mangalore.**

17 Presented Paper on ‘**Microbial water analysis in Mangalore**’ in a International conference at Fukuoka University, Japan in December 2019.

18 Presented Paper in an International conference at a Goa on 31/10/2019 on **Ground Water Quality Analysis Near Vamanjoor Dump Yard, Mangalore**

19 Presented papers in 8<sup>th</sup> an international conference on applied Science, Technology and Management on “**Denture wearers show more diversity of Lactobacillus spp. than Klebsiella spp. compared to non-denture wearers**” 26/10/2019 at Sridevi Institute of Technology, Mangalore.

20 Presented papers on ‘**Water testing using foldscope**’ in a National conference at MNNIT, Dept. of Microbiology Allahabad., in March 2019, a part of the INDO-US DBT Project.

21. Presented Paper in international conference at Alva’s College, Moodbidri on ‘**Recycling of fried left-over oil from restaurants for biodiesel preventing soil and water pollution**’ on 15<sup>th</sup> Feb 2019.

22 Presented paper for ‘**Evaluation of microbial load on the coffee cherry relating to its economic loss**’ presented in an international conference at PARIS, France in October 2018

23 Presented posters on the “**Evaluation of *C. albicans* Biofilm on denture surface**” at SIHAM national conference at St John’s Medical College, Bangalore in March 2018.

24 Paper presented on “**Chemical water testing analysis of Mangalore region**” at National conference on Trends in Bioactive natural products and health care at Dept. Of Biochemistry at Chikka Aluvara, Mangalore University in 2017.

- 25 Paper presented on “**Hand flora and health status of science teachers –a correlative study**”, at national conference at Mangalore University, Mangalore in 2017.
- 26 Paper presented on “**Use of Henna, Beet root and Kumkum seeds plant extracts as biological stains for bacteria and fungi**” at National Seminar at NMC Sullia.2017.
- 27 Poster presented on ‘**Effect of Biofuel cake with and without VAM (*Glomusmosssae*) on Seed Germination of Paddy**’ at National Seminar at NMC Sullia.2017
- 28 Poster presented on Study of ‘paddy Soil fungal flora inoculated with Biofuel cake with and without VAM (*Glomusmosssae*), at National Seminar at NMC Sullia.2017
- 29 Poster presented on “**Evaluating antibacterial action of traditional water coolants against coliforms**, at National Seminar at NMC Sullia.2017.
- 30 Paper presented in the International conference on “**Biomass –an initiative for green banking**” at University College, Mangalore, in 2017
- 31 Presented paper on ‘**Biodiversity study of Kanakamajalu**’ in the National Conference, Lake 16 at Moddabidri.in December 28<sup>th</sup> to 30<sup>th</sup> 2016.
- 32 Poster presented on ‘**Antifungal and phytochemical properties of banana peel**’ at National conference at St. Aloysius College, Mangalore.in 2016
- 33 Poster presented in the 4<sup>th</sup> Symposium of Biological Chemist, at NITTE, on ‘**An evaluation of hospital hand rubs**’ in November 2015.
- 34 Poster presentation on ‘**Antimicrobial activity of medicinal plant extracts on pathogenic microbes**’. At national conference at Alva’s college, Moodbidri, 2015.
- 35 Paper presented on “**Biogas production from Agricultural waste**” in 2015, at national conference at Alva’s college, Moodbidri,
- 36 Poster presented on ‘**Analysis of UTI and blood culture positive samples along with it’s micro flora.** at regional conference of Association of Medical Microbiologist, Mangalore,2013.

37 Paper presented on clinical trials of “**S. Calva flower extract as anesthetic agent on the mobile teeth of pediatric patients**” at national conference of Indian Dental Association at Dharwad in 2004

### Conference attended

1. Participated in the National seminar organized by Microbiology society and St Xeviers college, **Mapusa ,Goa on 6-7 Oct 2023 conducted by MBSI**
2. **2 days National Conference on “Integrated Microbial Technology for sustainable future”** (IMST-2022 conducted by) Dept. of Microbiology and Microbiologist Society and Pearl-A foundation for educational excellence on 7-8<sup>th</sup> July 2022

### Webinars and Lecture series attended

1. National seminar attended on “Relevance of researching Indian knowledge system” organized by Krishna Institute of Allied sciences, Krishna Vishwa Vidyapeeth, Aradon 11<sup>th</sup> Jan 2023.
2. A webinar attended on Sustainable Earth-Living in Harmony with Nature” Organized by ICIS, Srinivas University on 13/06/2022
3. Webinar on “**NAAC Q related quality enhancement technique** “conducted by IQAC Unit of University College., at Mangalore on 9.8.2021
4. National level webinar on “**protect breastfeeding -a message for mother to be**” conducted by Besant women’s college and Inner wheel club of Mangalore on 7.8.2021.
5. Participated in an International webinar on “Current Scenario in Biological Research “hosted by Dept. of Science, Alva’s College, Moodbidri.
6. Participated in National webinar on “Importance of patents and publications for faculty and students” organized by CCIS, Srinivas University Mangalore on 29<sup>th</sup> May 2021.
7. Participated in National webinar on “Technology development and Entrepreneurship” organized by CCIS, Srinivas University Mangalore on 26<sup>th</sup> May 2021.
8. Webinar attended on ‘Search Research and Publication Ethics’ Conducted by Kalindi College, University of Delhi, New Delhi on 4<sup>th</sup> May 2020.
9. A webinar on ‘How to read scientific Literature was participated conducted by Kalinidi College, New Delhi on 9<sup>th</sup> June 2020
10. An international webinar was attended on Drug Development and the role of nutrition in immune boosting against Covid19, conducted by Dept. of Zoology, IDAC, Kalindi College, New Delhi on 20<sup>th</sup> May 2020.

11. A webinar on ‘Stem cell research for COVID19’ was attended on May 25<sup>th</sup> 2020 conducted by VELS Institute of Science, Technology and advanced studies of Pallavarum, Tamil Nadu jointly with National council of vocational and research training center, New Delhi.
12. **Attended a special lecture series on “Nutrition and physical fitness” on World food day Dept. of home science ,KLE College, Gadag, on 27<sup>th</sup> October 2023.**
13. **6. Attended a special lecture series on “Interior design for better Health and career” on World food day Dept. of home science, Govt.1<sup>st</sup> grade College, Ankola, on 28<sup>th</sup> April 2025.**
14. **7. Attended a special lecture series on “From Run Away to Reality: Crux of Fashion Designing for Dazzling Career: Dept. of home science, KLE College, Gadag, on 23<sup>rd</sup> May 2025**

## **Webinars conducted**

1. 3 days workshop attended online on ‘Recent trends in Crystal growth Technology’ organized by Satyabhama Institute of Technology, Chennai. 8, 9, 10<sup>th</sup> Feb 2024.
2. A webinar attended on Sustainable Earth-Living in Harmony with Nature” Organized by ICIS, Srinivas University on 13/06/2022.
3. A webinar was conducted on **IPR and Technology transfer in academics and startups**, for the staff and students of University College, Mangalore. by a resource person Mr. Pankaj Kumar, from Jaipur. On 14<sup>th</sup> July 2021.
4. A webinar on “The journey of my innovation “was conducted on 7<sup>th</sup> June 2021 by Dept. of Microbiology, University College, Mangalore. Dr Steward Grecian, a Dentist from Chennai, a startup owner SOCIOIDENT, BIRAC, BIG GRANTEE, KIIT Technology, Business Incubator, Campus 11, KIIT, and University was the resource person.
4. A national webinar on ‘Use of essential oils for COVID 19 cure” was conducted on 3<sup>rd</sup> June by Dept. of Microbiology, University College, Mangalore. Dr Arun Dev Sharma from Head, Dept. of Biotechnology, Lyallpur Khalsa College, Jalandhar, Punjab was chief was the resource person.
5. A webinar was conducted on ‘How to read scientific Literature? on 12<sup>th</sup> June 2020 jointly with ‘Manav Atlas Project’ of IISER, PUNE, Maharashtra.

## **E –Conference conducted**

A multi-institute International E- Conference on 'Foldscope and its applications' was conducted on 21-22 June 2020.

### **FACULTY DEVELOPMENT COURSE COMPLETED**

1. A 7 days online FDP on “**ICT Tools –an emerging trends of teaching**” conducted by Besant College, Mangalore was attended from 24<sup>th</sup> August to 30<sup>th</sup> August.2022.
2. A 7 days FDP was attended on 'Entrepreneurship, Incubation and Innovation' from 23-29<sup>th</sup> June 2020 Conducted by MHRD, Govt. of India, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, of Ramanujan College, New Delhi.
3. A 7 days 'Science Leadership Workshop' was participated form 22nd June -28<sup>th</sup> June 2020 conducted by science Academies of University of Bhatinda.
4. One weekonline-Faculty Development programme on “ **Insights on writing proposals and funding opportunities**” IQAC CELL St Joseph Engineering College, Vamnuru **Mangalore**, 20<sup>th</sup> -24<sup>th</sup> July 2020

### **FACULTY DEVELOPMENT COURSE CONDUCTED**

**Being a coordinator of the Research Forum of the college, conducted 5 days FDP on research Ethics, how no write paper and project funding for the staff and research scholars of our college in March 2025.**

### **Workshop attended**

1. A webinar attended on Sustainable Earth-Living in Harmony with Nature” Organized by ICIS, Srinivas University on 13/06/2022.
2. **Workshop on ‘Cutting edge approaches to trace elemental/Analysis using inductively coupled plasma Mass spectrometry (ICP-MS) on 29<sup>th</sup> June 2024 at Manipal School of life sciences ,Manipal**
3. **Participated in the One day International workshop on “Biological Research and Nutraceuticals” conducted by Krishna Vishwa Vidyapeetham Karad, on 20<sup>th</sup> Feb 2024.**
4. A 3 days workshop attended on 'Recent trends in crystal growth rtcgt-2024 on 8-10<sup>th</sup> Feb
5. 24 organized by Satyabhama Institute of science and Technology, Chennai.
6. Organized a workshop on Microbiology NEP syllabus. On 20/3/2023.

7. Participated in a Workshop on '**Bioinformatics and its applications**' conducted by Microbiologists Society in June 2022.
8. Participated in a workshop on '**Quality teaching as a Prerequisite for Quality learning**' conducted by ICIS , Srinivas University, Mangalore from 1/6/22 to 6/6/22
9. Attended DST 'INSPIRE science camp's Group monitoring workshop' at Meghalaya at University of Science and Technology in July 2018.
10. 4<sup>th</sup> National Hands on workshop of 3 days on "**Anaerobic culture techniques –An encounter with Anaerobes.**" On 9-11<sup>th</sup> April 2018 at Father Muller's Medical College, Mangalore.
11. Two days **Group monitoring workshop on INSPIRE camp** of DST was attended at Sri, Venkateshwara University, Tirupathi in August 2017.
12. Attended a workshop on '**Diagnostic Techniques in clinical Mycology**' at National conference on clinical Laboratory education and research on 27<sup>th</sup> Feb 2017.
13. Participated in a video module training workshop on '**Principles of Biosafety, Bioethics and Lab Quality**' at KMC Mangalore 2016.
14. Four days workshop on "**Responsible conduct on Science**" organized by National Academy of Sciences, United States and NITTE University center for science education and research, Mangalore. 31<sup>st</sup> March to 3rd April 2015
15. Attended one day workshop on "**Antimicrobial Resistance –Laboratory and clinical updates**" on 22Aug 2015 at Kasturba Medical College, Manipal, Karnataka
16. Participated one-day workshop on '**Prakruthi In focus**' on 4<sup>th</sup> Feb 2017 at National Institute of Technology Karnataka, Surathkal.
17. Participated in the International Symposium on "**Bio risk Management**" at Indian Institute of Science, (IISC) Bangalore, on 15<sup>th</sup> March 2015
18. Participated in the 3 days international "**Global Bio risk Management curriculum courses**" from 16<sup>th</sup> -18<sup>th</sup> March 2015 conducted by Sandia National Laboratories, U.S.
19. Received a 2 weeks training of **DNA sequencing and molecular techniques** at 'Paul Herbert DNA Bar coding and Biodiversity studies, at Dr. Bhabasaheb Ambedkar University, Aurangabad, Maharashtra, 2014.
20. Participated in 2 days workshop on "**Hospital Infection Control**" in Aditya Birla Hospital, Pune, Maharashtra, June in 2013.
21. Participated in the **Internal Counselor Programme on NABH standards** of Hospitals conducted by 'Quality Council of India, by Govt. of India on 26<sup>th</sup> -28<sup>th</sup> July 2013 at

Columbia- Asia Hospital at Bangalore.

22. Attended a workshop on '**Infection control**' at A. J. Hospital and Research Center, Mangalore.
23. Participated in 4-day training programme conducted by Govt. of India on "**Laboratory Quality Management and internal audit**" as per ISO 15189:2007 at Bangalore.

#### **Radio talks –**

1. A talk on "**Test use and save water**" on Radio- Mangalore Akashvani in 2016
2. A talk on "**Our Biodiversity-our food and our health**" at Mangalore radio Akashvani in May 2019
3. A talk on "**Water conservation a dire need.**" Interview on radio Mangalore Akashvani in June 2019.
4. **COVID 19 – Hand flora, Clean hands, sanitizers and washing hands-campaign.** Awareness live talk on Mangalore Akashvani. 26<sup>th</sup> April 2020.

#### **Examination BOS and BOE activities**

- Served as an examiner and evaluator for Rajiv Gandhi University of Health Sciences, Bangalore.
- Serving as paper setter and external examiner for BSC and MSc Biomedical sciences, Biotechnology and Food safety courses at NITTE University, Deralkatte, Mangalore.
- Serving as member for board of studies of Microbiology and biotechnology at Mangalore University, Epsilon Research Institute, Mangalore Karnataka State Open University, and Mysore.
- Board of Examination member of Mangalore University 2017-18
- Serving as examiner and paper setter of Microbiology, Biotechnology and food safety at Nitte University center for science, Education and Research, Mangalore.
- BOS member for UG Biotechnology of SDM College Ujire, from 2017 to 2019.
- BOS member for UG Microbiology of St Aloysius College, Mangalore from 2019 to 2022.
- BOS member for UG Microbiology of St Agnes College, Mangalore from 2019 to 2022.
- BOS member for PG Microbiology at P G Center of Microbiology at Chikka Aluvara, Kushalnagara, from 2022to 2025.
- BOS member for PG Biotechnology at Biotechnology department of Mangalore University from 2022 to 2025.
- **Member of Institutional Biosafety committee**
- IBSC, At Nitte University, Deralkatte, Mangalore. From 2017 to 2023.
- Chairman of Home science BOS and BOE. 2023-24

- Bos Member of Microbiology, at Alva's College, Moodbidrie

### ***Professional Memberships and other significant contributions :***

1. Karnataka state coordinator for Microbiology society, MBSI for 2024-2027
2. Representative of Mangalore University for Microbiology Society of India, MBSI-A Microbiologist's National association.
3. Member of District advisory committee -PC and PNDT, Medical Termination of Pregnancy, a District Health Office. Mangalore
4. Member of Project monitoring committee at Dr BAMU- Dr Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra
5. In 2015 started cash prize to a student scoring 'Highest marks in BSc Microbiology' at University College, Mangalore in the name of my In -Laws.
6. Life member of 'Association of microbiologists of India' since 2000 (AMI) 2: Life member of 'Biotech research society of India' since 2006 (BRSI)
7. Life member of 'Society for human and animal mycologists (SIHAM) since 2006. 4: Life member of 'National association of drugless practitioners (NADP) since 2006'. 5: Life member of 'Mangalore management association' since 2014.
8. Life member of 'Indian women scientist's association'. (IWSA) Since June 2014.
9. Life member of "Nutrition society of India. Hyderabad, 2015, National institute of nutrition, Hyderabad. (NIN) Since 2015
10. Life member of "Indian science congress association". Since 2015.127526. Kolkata
11. Member of a OMEGA ETHICAL COMITTEE FOR CLINICAL RESEARCH" \at Omega
12. Cardiac Hospital. Pumpwell Mangalore since 2011
13. Member of 'Institutional Biosafety Committee' of NITTE University, Deralkatte Mangalore. Since 2017
14. Coordinator for DBT strengthening component of STAR College scheme of University College.
15. 13 Life member, Mangalore University representative and Karnataka state coordinator for Microbiology society, India .2021onwards

### ***Social Interests-***

- ✓ **President of INNERWHEEL CLUB Mangalore North- World's largest women's social service organization.2020-21 and in 2025 directed fund of Rs 70000/- and other accessories for Mid- Day Meal of the college**
- ✓ Actively involved in social service with Inner Wheel Club of Mangalore North, world's largest women's social service organization
- ✓ Served as President, Secretary, Treasurer and ISO. Also bagged "Best President" and "Best Editor" award in the Ineerwheel club conference of 2004.
- ✓ Bagged 'MEGA ACHIEVERS AWARD' for the Inner wheel club of Mangalore North, in the

IWC Dist 318 .

- ✓ Paul Harris Fellow (PHF) of Rotary club of Mangalore North.
- ✓ Former Executive committee of AMI, Mangalore chapter.
- ✓ Bagged a “Parivarthan yuvarani” award in the Retract Club Conference.
- ✓ Exmember of ‘Toastmaster ’club, Mangalore.
- ✓ ART OF LIVING Courses attended conducted by Sri SriRavishankar Guruji.in Mangalore.
- ✓ Served as Club literacy coordinator, of Inner wheel club of Mangalore North, Mangalore.

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