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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.

Microbiology Department research projects guided-

- 1.Effect of VAM and biofuel cakes on the paddy growth
- 2.Biodisel 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 flower s from the temples.
7. Biofuel briquettes making from the bagasse.
8. Antifungal effect of Banana peel 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 chilli extract and chilli sauce on gut microbe.
- 13.. Screening of amylase producing organisms from soil.
14. Antibacterial and analgesic effects of *Spilanthus calva* using local species.
15. Study of Flora form the caves in the ancient temple in Mangalore
16. 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 Coliform 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. 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. Evaluatoion of bacterial contamination in the 6 variety of cosmetics.
27. Effect of various natural dental cleansers on the *streptococcus salivarius* as anticaries agents.
28. Study of survey for the exchange of 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. Spice aroma to prevent food spoilage.
32. Response of gut microbe to the chilli extract and processed chilli sauce
33. Comparative Evaluation of EMB and Hi crome Coliform Agar for Differentiation of *E. coli* in Fresh water.

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	13 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	13 Lakhs/-	Completed
4	INSPIRE- Innovation in science pursuit for inspired research	Dept. of Science and Technology, (DST) New Delhi	2018	13 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	13 Lakhs/-	Completed

Award:

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

Achievements:

- 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.

A. Conducted DST Sponsored INSPIRE Science internship camp of 5 days for 4 years in Mangalore science center.

B, Best paper Award- International.

1. 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.

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

1. Received "Appreciation award 'by Principal University College, for conducting DST sponsored INSPIRESCIENCE Internship camp for 3 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 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.

Publications

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

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/>

Raw sequence Reads submission to NCBI -

Raw sequence reads of the Bio project- PRJNA616098 ‘Metagenomic study of Ravindra Kala Bhavan-Heritage Building of University College, Mangaluru.’ With Submission ID – SUB7193062.submitted to NCBI Sequence Read Archive (SRA) published on 1/4/2020.

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, MalathiShekar, 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.

3.Bharathi Prakash,Malathi Shehkar, ShrishmaPadiyath, Biswajitmaiti, Indrani Karunasagar. Prevalence of *Candidaspp.*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, Chandrashekar Naik, Bharathi Prakash, Chennabasava, Anticoagulant activity of partially purified coumarin(s) extracts of *Sonchusoleraceus*, Advancement in Medical Plant Research, 87-91, Vol 3, Issue 6, 2015. ISSN:2354-2151.I F 0.6, SJIF-5.008.

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, Issu 6, 2015. ISSN- 2348-6724.www.aeph.in.Impact Factor2.72.

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.

7.Govindappa Melappa, Shilapashree C B, Chennabasva, Bharathi Prakash, In Vitro Antimytotic, Antiproliferative and GC-MS studies on the methanolic extract of endophytic fungi, *Penicillium* species of *TabebulaBur*& K. S C H, Farmacia, 2017, Vol 65, 2 Pg. 301-309. Impact Factor-0.86

8.BharathiPrakash, Sumangala CH, Govindappa and Chidanand Gavimath,E valuation 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, Cross validity of Saffron purity tests

found new adulterant materials and reveal, Ist grade Saffron is rare in the market. FOODCHEM-D-18-02742.Impact Factor 3.391s

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 badlamoole, 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.
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.
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.
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
17. .Aleksandra Kurowska¹ &Vivek Ghate¹ &Arun Kodoth² &Aarti Shah³ &Abhishek Shah⁴ &Badalamoole Vishalakshi² &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>
- 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
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, SRINGER PUBLICATION.

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

21. Shrinidhi M, Bharathi Prakash, G. D Khedkar², 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

22. Prakash KE, Bharathi Prakash, Nethravathi, Innovative methods of teaching. Indian Society of technical education, conference Proceedings, 2018 pg 27-31, Vol. 3

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>

Google Scholar citations of the publications

Cited by

	All	Since 2016
<u>Citations</u>	148	141
<u>h-index</u>	7	7
<u>i10-index</u>	5	5

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 Sarda science college Sangamner Ahmednagar Maharashtra India on 9th and 10th Feb 2018.

Workshops organized 2013 onwards

1. 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.
2. Intercollegiate workshop on PCR Technique and its applications at Microbiology Dept. of University College, Mangalore on 30th August 2019.and
3. Organized a 'Igniting Interest in Basic science', an interaction programme for high school students under CPE scheme of UGC on 11th and 12th Jan 2018at University College Mangalore
4. Conducted Two Foldscope application workshops in Guwahati schools of North east in June 2018
5. National workshop on "DNA Barcoding concept and application in 2015
6. Workshop on career guidance for degree students 2016.
7. Workshop on soft skills development 2017.
8. Organized a regional CME on "Accreditation and Quality control in Laboratory on 15th Dec 2012 at Omega Hospital, Mangalore.

Orientation Programme attended

- At Dr.Babasaheb Ambedkar Marathwada University, Aurangabad in July 2014.

Refresher course attended

- At Pondicherry University, Pondicherry. from December 2016
- On Life Science, At Bangalore University, Bangalore from Dec 14th -28th Dec 2020.

Certificate course completed

- Certificate course in Biosecurity-Next Generation Bio risks, on 12/8/21 Bioteknika

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.

Invited speaker/chairing the session/Panelist in 2020.

1. Talk on zoom webinar programme jointly conducted by SINGAPORE BIOFILM SOCIETY (SNBC), Singapore and INDIA ABIOFILM SOCIETY,INDIA on 6th April 2021 on TOPIC 'MIXED BIOFILM OF DENTURE LACTOBACILLI'.
2. Talk on zoom webinar programme of NBIC, National Biofilm London, and U.K. and India biofilm society on 13th Feb 2021 on 'DENTURE BIOFILM'.
3. Invited speaker for a Refresher course at Dr BAM Aurangabad Marathwada University, Aurangabad on 7/1/2021
4. 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.
5. A talk on 'Foldscope for microbial water analysis 'was delivered on 21st June 2020 in a multi institutional E-Conference organized by Dept. of Biotechnology, Lylapur Khalsa College of Jalandhar.
6. Talk on 'Biosafety and Biosecurity in the research Laboratory' at Biotechnology dept. of Mangalore University, Konaje, Managalore.
7. At ISO 9000, 2015 certified Amrutha Vidyalaya, Sultan Battery Mangalore.
8. 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 24th Jan 2020.
9. At DST Inspire boot camp at R V College of Engr. Bangalore on Basic science and research 28/12/19.
10. 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 5th Dec 2019.
11. At Srinivas Institute of Technology at Dept. of Nanotechnology valachil, Mangalore for a talk on 'Microbes in Nanotechnology' on 1/10/2019.
12. 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.
13. At Alvas College, Moodbidri on Micro spark-a' Importance of microbes in our life'on 6.9.2019
14. At Govt. PU College, Balmatta ,Mangalore for a Dengue awareness talk on 17.08.20129
15. At Motilal Nehru national institute of Technology, Department of Biotechnology, Allahabad (Prayagraj), Uttara Pradesh in March 2019.

16. DST–INSPRE camp of Dr. Babasaheb Ambedkar Marathwada University Aurangabad On Educating Microbiology” in 2015, 2016,2017 and 2018
17. At Mangalore Zilha Panchayat, on Preparing Peoples Biodiversity Register organized by Karnataka Biodiversity board in 2018
18. DST –INSPRE camp of PG Department of Science at Golaghat, Assam, North East On “Basic science and research on Microbiology” in 2017 and 2018.
19. At Taluk Panchayat ,Puttur on Preparing Peoples Biodiversity Register organized by Karnataka Biodiversity board in 2017
20. 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 9th and 10th Feb 2018.
21. DST –INSPRE camp of Dr.Babasaheb Ambedkar Marathwada University Aurangabad On Microbiology and its applications” in November 2016
22. On ‘Rejuvenating oral functions, at International conference on’ Frontiers in regenerative biology’ at University of Kolkata in 2016
23. On “Molecular Techniques in identifying microbes” at National conference of DNA barcoding at Govt. ARTS and Science college of Ooty, Tamilnadu. 2016
24. 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.
25. On “Importance of Microorganisms in Periodontics” at KVG Dental College, Sullia, in Oct 2012
26. Microbes in daily life-Rotary Club, Mangalore North, Mangalore 2012
27. Microbes and lifestyle-Rotary Club of Mangalore Central Mangalore 2013
28. Human Oral flora–concept of oral hygiene Talk at Dept. of Biotechnology, St ALOYCIOUS College, Mangalore, 2012

Papers presented in National and international Conference/seminars

1. Participated in a National seminar on ‘Pollution and Bioremediation current scenario and future prospectus’ at Mangalore University on 7th March 2020 organized by Dept of Bioscience and UGC sap.
2. **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 19th Feb 2020 at University College, Mangalore.**

3. Presented Paper on 'Microbial water analysis in Mangalore' in a International conference at Fukuoka University, Japan in December 2019.
4. Presented Paper in an National conference at a Goa on 31/10/2019 on Ground Water Quality Analysis Near Vamanjoor Dump Yard, Mangalore
5. Presented paper in 8than international conference on applied Science, Technology and Management on "Denture wearers show more diversity of Lactobacillus spp. than Klebsiella spp. compared to non-denture warers"26/10/2019 at Sridevi Institute of Technology, Mangalore.
6. Presented paper 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.
7. 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 15th Feb 2019.
8. 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.
9. Presented poster on the "Evaluation of *C.albicans* Biofilm on denture surface" at SIHAM national conference at St Johns Medical College, Bangalore in March 2018.
10. 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.
11. Paper presented on "Hand flora and health status of science teachers –a correlative study", at national conference at Mangalore University, Mangalore in 2017.
12. 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.
13. Poster presented on 'Effect of Biofuel cake with and without VAM (*Glomusmossae*) on Seed Germination of Paddy' at National Seminar at NMC Sullia.2017
14. Poster presented on Study of 'paddy Soil fungal flora inoculated with Biofuel cake with and without VAM (*Glomusmossae*), at National Seminar at NMC Sullia.2017
15. Poste presented on "Evaluating antibacterial action of traditional water coolants against coliforms, at National Seminar at NMC Sullia.2017.

16. Paper presented in the International conference on “Biomass –an initiative for green banking” at University College ,Mangalore, in 2017
17. Presented paper on ‘Biodiversity study of Kanakamajalu’ in the National Conference, Lake 16 at Moddabidri.in December 28th to 30th 2016.
18. Poster presented on ‘Antifungal and phytochemical properties of banana peel ‘at National conference at St. Aloysius College, Mangalore.in 2016
19. Poster presented in the 4th Symposium of Biological Chemist, at NITTE, on ‘An evaluation of hospital hand rubs ’in the 4th symposium of Biological Chemist in November 2015.
20. Poster presentation on ‘Antimicrobial activity of medicinal plant extracts on pathogenic microbes’. At national conference at Alva’s college,Moodbidri,2015.
21. Paper presented on “Biogas production from Agricultural waste” in 2015, at national conference at Alva’s college ,Moodbidri,
22. 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.
23. 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

Webinars attended

- I. Participated in National webinar on “Importance of patents and publications for faculty and students” organized by CCIS, Srinivas University Mangalore on 29th May 2021.
- II. Participated in National webinar on “Technology development and Entrepreneurship” organized by CCIS, Srinivas University Mangalore on 26th May 2021.
- III. Webinar attended on ‘Search Research and Publication Ethics’ Conducted by Kalindi College, University of Delhi, New Delhi on 4th May 2020.
- IV. A webinar on ‘How to read scientific Literature was participated conducted by Kalinidi College, New Delhi on 9th June 2020
- V. 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 20th May 2020.

VI. A webinar on ‘Stem cell research for COVID19’ was attended on May 25th 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.

Webinars conducted

1. A webinar was conducted on I PR and Technology transfer in academics and startups, for the staff and student’s of University College, Mangalore. by a resource person Mr Pankaj Kumar, from Jaipur. On 14th July 2021.
2. A webinar on “The journey of my innovation “ was conducted on 7th June 2021 by Dept. of Microbiology, University College, Mangalore. Dr Steward Grecian, a Dentist from Chennai, a startup owner SOCIODENT, BIRAC, BIG GRANTEE, KIIT Technology, Business Incubator, Campus 11, KIIT, University was the resource person.
3. A national webinar on ‘Use of essential oils for COVID 19 cure” was conducted on 3 rd. June by Dept. of Microbiology, University College, Mangalore. Dr Arun Dev Sharma from Head, Dept. of Biotechnology, Lyllapur Khalsa College, Jalandhar, Punjab was chief was the resource person.
3. A webinar was conducted on ‘How to read scientific Literature? on 12th June 2020 jointly with ‘Manav Atlas Project’ of IISER, PUNE, Maharashtra.

E –Conference conducted

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

FACULTY DEVELOPMENT COURSE

1. A 7 days FDP was attended on ‘Enterprenurship, Incubation and Innovation’ from 23-29th June 2020 Conducted by MHRD, Govt. Of India, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, of Ramanujan College, New Delhi.
2. A 7 days ‘Science Leadership Workshop’ was participated from 22nd June -28th June 2020 conducted by science Academies of University of Bhatinda.

3. Certificate course in Biosecurity-Next Generation Bio Risks Certification Course Knowledge Test was passed with 91.49% on August 12,2021. conducted by Biotechnika.

Workshop attended

1. Attended DST 'INSPIRE science camp's Group monitoring workshop' at Meghalaya at University of Science and Technology in July 2018.
2. 4th National Hands on workshop of 3 days on "Anaerobic culture techniques –An encounter with Anaerobes." On 9-11th April 2018 at Father Muller's Medical College, Mangalore.
3. Two days Group monitoring workshop on INSPIRE camp of DST was attended at Sri, Venkateshwara University, Tirupathi in August 2017.
4. Attended a workshop on 'Diagnostic Techniques in clinical Mycology' at National conference on clinical Laboratory education and research on 27th Feb 2017.
5. Participated in a video module training workshop on 'Principles of Biosafety , Bioethics and Lab Quality 'at KMC Mangalore 2016.
6. 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. 31st March to 3rd April 2015
7. Attended one day workshop on "Antimicrobial Resistance –Laboratory and clinical updates on 22 Aug 2015 at Kasturba Medical College, Manipal, Karnataka
8. Participated one-day workshop on 'Prakruthi In focus' on 4th Feb 2017 at National Institute of Technology Karnataka, Surathkal.
9. Participated in the International Symposium on "Bio risk Management" at Indian Institute of Science, (IISc) Bangalore, on 15th March 2015
10. Participated in the 3 days international "Global Bio risk Management curriculum courses" from 16th -18th March 2015 conducted by Sandia National Laboratories, U.S.
11. 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.

12. Participated in 2 days workshop on “Hospital Infection Control” in Aditya Birla Hospital, Pune, Maharashtra, June in 2013.
13. Participated in the Internal Counselor Programme on NABH standards of Hospitals conducted by ‘Quality Council of India, by Govt. of India on 26th -28th July 2013 at Columbia- Asia Hospital at Bangalore.
14. Attended a workshop on ‘Infection control’ at A. J. Hospital and Research Center, Mangalore.
15. 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 Akshvani 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. 26th April 2020.

Examination and other 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 studies member (BOS) at SDM College, UJIRE. And St Aloysius College, Mangalore and Mangalore University.
- 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.

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 WHO, UNICEF and programs conducted on 'Health awareness and Hand Hygiene' for school children of Mangalore to commemorate 150th year of University College, Mangalore.
3. Water testing awareness booklets from Microbiology Department.
4. 'Origine' Souvenir of DNA Barcoding concept and applications proceedings.

Professional Memberships:

- 1: Life member of 'Association of microbiologists of India' since 2000 (AMI)
- 2: Life member of 'Biotech research society of India' since 2006 (BRSI)
- 3: 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.
- 6: Life member of 'Indian women scientist's association'. (IWSA) Since June 2014.
- 7: Life member of "Nutrition society of India. Hyderabad, 2015.
National institute of nutrition, Hyderabad. (NIN) Since 2015
- 8: Life member of "Indian science congress association". Since 2015.127526. Kolkata
9. Member of a OMEGA ETHICAL COMITEE FOR CLINICAL RESEARCH" at Omega Cardiac Hospital.Pumpwell Mangalore since 2011
- 10.Memberof 'Institutional Biosafety Committee' of NITTE University, DeralkatteMangalore.Since 2017
11. Coordinator for DBT strengthening component of STAR College scheme of University College.

Social Interests-

President of INNERWHEEL CLUB Mangalore North- World's largest women's social service organization.2020-21

- ✓ Actively involved in social service with Inner Wheel Club of Mangalore North
 - ✓ Served as President, Secretary, Treasurer and ISO. Also bagged “Best President” and “Best Editor” award in the Ineerwheel club conference of 2004.
 - ✓ Member of Inner wheel club of Mangalore North, a ladies wing of Rotary Club.
 - ✓ Paul Harris Fellow (PHF) of Rotary club of Mangalore North.
 - ✓ Former Executive committee of AMI, Mangalore chapter.
 - ✓ Bagged a “Parivarthan Guarani” award in the Retract Club Conference.
 - ✓ Member 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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