

Faculty Profile



Name

Dr. I.K. Manjula

Designation

Assistant Professor & Chairperson

Department of Microbiology

Mangalore University Jnana Kaveri

Chikka Aluvara, Kodagu 571232

Contact Details

Phone

Office: 08276 276471/08276 276476

E-mail

manjuganesh7176@gmail.com

Research Areas

Biotechnology, Biochemistry (Cancer Biology, Ph.D.), Microbiology, Immunology

Molecular Biology, Microbial diversity, Microbial metabolites, protein characterizations, identifications and mechanism of action, antimicrobial and anticancer activity studies, Apoptosis: programmed cell death processes, anti-Angiogenesis pathways in eukaryotic cell models, antibiotic resistances and control of infectious agents. Microbial Biochemistry – Biochemical & Molecular characterizations of microorganisms, their prospecting of novel molecules for pharmaceutical and biological applications.

Link to detailed CV

Detailed Curriculum vitae

Name **Dr. I.K. Manjula**

Educational Qualification M Sc., Ph.D.
(CSIR-UGC-NET qualified 1999)

Designation Assistant Professor & Former Chairperson



Address for Correspondence: Department of Microbiology
Mangalore University Jnana Kaveri
Chikka Aluvara, Kodagu 571232

E-mail: manjuganesh7176@gmail.com

Phone: Office: 08276 276471/08276 276476

Research Areas Biotechnology, Biochemistry (Cancer Biology, Ph.D.), Microbiology, Immunology

Molecular Biology, Microbial diversity, Microbial metabolites, protein characterization, identifications and mechanism of action, antimicrobial and anticancer activity studies, Apoptosis: programmed cell death processes, anti-Angiogenesis pathways in eukaryotic cell models, antibiotic resistances and control of infectious agents. Microbial Biochemistry-Biochemical and Molecular characterizations of microorganisms, prospecting of novel molecules for pharmaceutical and biological applications.

Professional Teaching Experience

Course taught	Subject	Institute/College	University/ Board	Date of Appointment and post	Years of Teaching experience
M.Sc	Microbiology	Department of Microbiology, Mangalore University, Cauvery Campus, Madikeri/ Jnana Kaveri, PG Centre, Chikka Aluvara, Kodagu	Mangalore University	30.01.2003 onwards ...till date 2022...	
M.Sc	Biotechnology	Department of Biosciences, Mangalore University, Mangalagangothri -574 199	Mangalore University	August 2008-May2012	
M.Sc	Bioscience	Department of Biosciences, Mangalore University, Mangalagangothri -574 199	Mangalore University	Nov 2010-May 2011	
M. phil	Bioscience	Department of Biosciences, Mangalore University, Mangalagangothri -574 199	Mangalore University	2009	
Ph.D course work	Bioscience	Department of Biosciences, Mangalore University, Mangalagangothri -574 199	Mangalore University	August -December 2011	
Ph.D Course work	Microbiology	Department of Microbiology Mangalore University P.G. Centre, Chikka Aluvara Kodagu	Mangalore University	2015, 2016, 2017, 2018, 2019...2022....	

Total Teaching Experience: **19 years**

Areas of Teaching Experience:

Biotechnology, General Microbiology, Molecular Biology, Bioprocess Technology, Biochemistry, Biochemical Techniques Immunology, Microbial Biotechnology, Microbial physiology, Animal Biotechnology, Cell biology, Plant Biotechnology, Molecular Genetics, Research Methodology,

Enzymology, Theoretical Foundation, Genetic Engineering, Analytical Techniques, Biostatistics and Bioinformatics, Cancer Biology

Research Guidance (Ph.D.):

Ongoing Registered Students' list

Sl.No.	Name of the Ph.D Scholar	Registered for doctoral degree
1	ANNAPOORNA	Registered
2	Y KARTHIK	JRF, SERB project
3	SUBHANKAR DAS	Registered
4	AKSHATHA S J	Registered

Successfully guided M.Sc., Student research projects- 50

Research Projects

Completed-01(list enclosed below)

Name of PI	Title	Year	Funding agency
Dr. I.K. Manjula: Principal Investigator	Isolation Optimization and Characterization of Antimicrobial Peptide Producing Actinomycetes from Soil”	2016-2018	Mangalore University Rs. 0.55 lakh

Ongoing-02 (list enclosed below)

Sl. No.	Name of PI	Title	Funding agency	Year	Outcome
1	Dr. I.K. Manjula Principal Investigator	“Mechanism based screening of antimicrobial peptides with anticancer agents from mangrove-soil actinomycetes from South Canara of Karnataka”	SERB,DST-Govt. of India, Rs. 47.61 lakhs	2017-2021	Established a Molecular Biology Research laboratory by procuring major equipments such as CO2 incubator, Deep freezer, Biosafety cabinet, Inverted Microscope,
2	Dr.I.K. Manjula Programme Coordinator	“Exploration & Characterization of Mangrove microbial protein & their mechanism of action for Pharmaceutical applications”	VGST, Govt. of Karnataka Rs. 30.00 Lakhs	2019-2022	VGST scheme of Centres for Innovative science Engineering education scheme Equipment: Multiwell plate reader

Professional Collaboration

International

Name of the Institute /Faculty Nature of Collaboration	Details
LAP Lambert Publishers, Germany Publication of Book	I.K. Manjula “PROAPOPTOTIC AND ANTIANGIOGENIC PLANT PROTEINS FOR CANCER THERAPY” Mauritius LAP LAMBERT Academic Publishers/ Germany 978-613-9-84327-5 (International) Year of Publication 2018

National

Sl.No.	Name of the Institute /Faculty	Nature of Collaboration
1	Amity Institute of Biotechnology, Amity University, Noida-201301, UP, India	Research

Research Journal Publications (list)

Research Journal Publications (over last five years)
Manjula. I.K. , Sheela M.L., and Bharathi P Salimath. A proapoptotic 15 k da protein from <i>Bacopa monnieri</i> activates caspase-3 and downregulates bcl-2 gene expression in mouse mammary carcinoma cells <i>J Nat Med</i> , 2013;67 (1): 123-36
Rajeshwari.K., Manjula. I.K. Inhibition of Cysteine proteases and antibacterial activity of Rhizosphere-microbial isolates of <i>Justicia wynaadensis</i> , <i>Int J pharm Bio Sci</i> 2015;6(3)(B) 131 – 138
Nayana and Manjula. I.K Cysteine Protease Inhibition and Anti-Proliferative Activity of the Protein Fraction Isolated from <i>Justicia Wynaadensis</i> , <i>J. Pharm. Res</i> 2015;4(4)167-171
Ashwini B. and Manjula I. K Protein fraction from Actinomycetes isolates inhibits protease activity secreted by <i>Staphylococcus aureus</i> <i>European Journal of Pharmaceutical and Medical Research</i> 2015;186-193
Rohit Mani Yadav and Manjula I.K. Protein extracts from <i>Streptomyces</i> sps. Inhibits beta-lactamases secreted by pathogenic bacteria. <i>Int J Adv Phar Sci</i> 2017, 9, 59-68.
Rajina B.R and Manjula I.K. Peptide analysis from soil actinomycetes exhibiting antimicrobial and antiproliferative activities. <i>Int J Phar Bio Arch</i> 2017, 8(6), 79-87.
Subhankar Das, , Vishal Gupta1, Manjula I. Kalyani , Mohan Chandra Kalita, Susmita Shukla. Biological synthesis and characterization of silver nanoparticles using stem extract of <i>Langenaria siceraria</i> and their antibacterial activity against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> <i>Biomedicine</i> 2019; 39(4): pp. 580 - 586.
Yalpi Karthik, Manjula I.K. , Sheethal K.S., Rakshitha D., Bineesha K.B. Cytotoxic and Antimicrobial activities of microbial proteins from mangrove soil actinomycetes of Mangalore, Dakshina Kannada, Karnataka, India <i>Biomedicine: 2020; 40(1):59-67.</i>
Subhankar Das, Rantumoni Sharma, Manjula I. Kalyani , Namita Nath, M. C. Kalita, Susmita

Shukla “Sunlight driven biosynthesis of silver nanoparticles using aqueous stem extract of <i>Tinospora sinensis</i> (Lour.) Merr. And evaluation of its catalytic and antibacterial activity” <i>Biomedicine: 2020; 40(3): 301- 308</i>
Gowthami G A, Subhankar Das, Yalpi Karthik & Manjula Ishwara Kalyani* . Study of antibacterial, anti-proliferative and pro-apoptotic potential of The cell extracts of endophytic fungi and bacteria isolated from <i>Pajanelia longifolia</i> (Willd.) K. Schuman, PLANT SCIENCE TODAY, 2021Vol 8(3): 501–508
Yalpi Karthik and Manjula Ishwara Kalyani “Molecular Profiling of <i>Glutamicibacter Mysorens</i> Strain YKIKM.MU and Bioactive Peptides Characterization for Antibacterial Activity” International Journal of Pharmaceutical and Clinical Research 2021; 13(1); 36-50
Akshatha S J, Manjula Ishwara Kalyani* and Yamanappa Hosamani Isolation and extraction of antimicrobial peptides from <i>Streptomyces minutiscleroticus</i> and <i>Streptomyces albogriseolus</i> from Mangrove soil of Mangalore Coast, Karnataka” Indian Journal of Natural Products and Resources Vol. 13(1), March 2022
Publications: Book (International)
I.K. Manjula “PROAPOPTOTIC AND ANTIANGIOGENIC PLANT PROTEINS FOR CANCER THERAPY” Mauritius LAP LAMBERT Academic Publishers/ Germany 978-613-9-84327-5 (International) Year of Publication 2018
BOOK Chapters
Rantumoni Sharma, Subhankar Das, rajesh Dev sarkar, HIRAK Jyoti Kro, Nilakshee Devi, Namita Nath, Mohan Chandra Kalita, Manjula I. Kalyani Taxonomic and biochemical profiling of some wild species of Solonaceae from Jalikbari , Assam In., Studies in Medicinal and Aromatic crops, Edt by Dr. Sougata Sarkar, Rubicon Publications England, year 2021, ISBN: 978-1-913482-36-7
Subhankar Das , Manjula Ishwara Kalyani “The salubrious role of Actinomycetes towards Plant Growth: A step towards Sustainable Agriculture.” In Microbiology and Immunology, ISBN : 978-93-90847-97-6. Kripa Drishti Publications

Papers/ poster presentations in Conferences / Seminars / Symposia (list)

1. “Pro-apoptotic and antiangiogenic activity of *Bacopa monnieri* in EAT cells” in Biotechcon-2001 conference organized by Vallabhkhair Patel Chest Institute, University of Delhi, Delhi on 4th-6th October 2001(National)
2. “Antitumor effect of *Bacopa monnieri*” in the 3rd National symposium on Venoms and Toxins, January 23 and 24th 2004 in the Department of Biochemistry, University of Mysore, Mysore (National)
3. “*Bacopa monnieri* induced apoptosis is mediated by caspase-3 activated endonucleases” in the session Medicinal plants and conservation strategies” in the 2004-National Seminar on Emerging Trends in Applied Botany, Seed Science and Technology on November 4th-6th, 2004 organized by the Department of studies in Applied Botany and Biotechnology, University of Mysore, Mysore. (National)
4. “*In vivo* antiangiogenic activity of *Bacopa monnieri* in Ehrlich ascites Tumor cells” during the 92nd Indian science congress held at Nirma University of Science and Technology, Ahmadabad, Gujarat on January 3rd-7th 2005. (National)

5. "Screening and characterization of antifungal metabolites from plants" by Nagaraja Acharya I.S., Deepa Jacob and Manjula I.K presented a paper at the International food Convention in the poster presentation session by Association of Food Scientists and Technologists (India) and CFTRI,Mysore on 5th -8th Dec 2003 (International)
6. "Antimicrobial potency of a few Western Ghats plants" by Deepa Jacob and Manjula I.K presented paper at the National Seminar on Microbial Technology-2004 held at Dr. G.R. Damodar College of science , Coimbatore on 12th-13th 2004.(Secured Best oral Presentation award) (National)
7. "Screening of plants for their antimicrobial potential and preliminary detection of the active components" by V.Ravikiran, Sulthana Parveen and Manjula I.K presented paper in the oral presentation session at National seminar on Microbial technology-2005(mt-05) on 11th-12th 2005 Dr. G.R. Damodar College of science , Coimbatore (National)
8. "Screening of plants for their antifungal potential" by Madhuri Balliga, Shubha lakshmi and Manjula I.K presented paper in the poster presentation session organized by Indian Mycological Society, Department of Bioscience, Mangalore University, Mangalagangothri on 2nd and 3rd 2004. (National)
9. "Screening of some plants for their antibacterial property" Vidhya Kunder, and Manjula I.K presented paper in the poster presentation session in National seminar on "Biological Science and its impact on environment" organized by Shri Jagadguru Renukacharya College of Science, Arts and Commerce, Bangalore and Environment Research Academy International-Vishakapatnam (INDIA). (National)
(Secured FIRST place in the poster presentation]
10. "Study on antimicrobial property of mushrooms" by Shashiprasad M and Manjula I.K presented paper in the poster presentation session on March 2-3, 2007 in the National symposium on Microbial diversity for human welfare, at K.S.R. College of Arts and Science, Tiruchengode, Tamilnadu, India. (National)
11. "Amylase producing efficiency of starch hydrolyzing bacterial and fungal species on different substrates" by Asmath Nousheen and Manjula I.K presented paper in the oral presentation session in the National symposium on Microbial Diversity for Human welfare at K.S.R. College of Arts and Science, Tiruchengode, Tamilnadu (National)
12. "Screening for the antimicrobial properties of some medicinal plants" by Prathima P.A and Manjula I.K presented paper in the oral presentation session on 13th April 2007 in the National symposium presentation session organized by the Department of Biotechnology, Biomedical and Chemical Engineering and Technology, Davangere, Karnataka. (National)

13. “*Bacopa monnieri* an anticancer medicinal plant” by Manjula I.K, paper presentation in Kannada language in the v Kannada Science Congress held on 15th to 17th September 2009 at Mangalore University, Mangalagangothri, Mangalore, Karnataka(National)
14. “ Anticancer activity of selected medicinal plants” by Manjula I.K , oral presentation in the International conference on Environment,Genes,Health and Diseases-2011 held at Bharathiar University, Coimbatore, India on December 9th -11th of 2011. (International)
15. “Isolation and identification of bacteria from rhizosphere and phyllosphere region of cardamom plants for their antagonistic studies against *colletotrichum gloeosporioides*” First International and third National Conference on Biotechnology, Bioinformatics and Bioengineering Society of Applied Biotechnology June 28th-29th 2013(International)
16. “ Identification of medicinal plants that induce Programmed cell death in EAT cell model “National conference on new opportunities and challenges in microbial research Department of Microbiology Bharathidasan University, Tiruchirapalli 5th – 6th September 2013(National)
17. “ Microbial genome mining: An emerging approach for bio-prospecting of natural products from microorganisms, International conference on emerging innovative technologies for a sustainable world-2013 Shridevi Institute of Engineering and Technology Tumkur, on 7th and 8th October 2013(International)
18. “Isolation, characterization and secondary metabolite analysis from rhizospheric bacteria of *Justicia wynaadensis*” 34th annual conference of Indian Association of Biomedical scientists University of Madras Taramani Campus, Chennai 27-29th December 2013(National)
19. “Isolation and Characterization of bacteria and their cell free extract analysis against the fungal pathogens”. National seminar on “Microbes in the present scenario” 28th-1st March 2014 held at Dept. of Microbiology, Mangalore University, Chikka aluvara, Kodagu. (National)
20. “Protease inhibitor isolated from *Bacopa monnieri* inhibits the papain- cysteine family of proteases” Two days National conference on “Driving stem cell research towards therapy”-a vision of the future” on March 20th-21st 2014 held in Department of studies in Biotechnology, Microbiology and Biochemistry P.G centre of Mahajana Education Society, Mysore. (National)
21. “Cysteine protease inhibition and antibacterial activity of Rhizosphere microorganisms of *Justicia wynaadensis*”. 8th National Women’s Science Congress on 7th-8th November 2015, Hebbal, Bangalore (National)
22. “Protein extraction and Lactamase inhibition” Frontiers in Life Science-2017 28th March 2017 State level conferenceGovt. Science College,Hassan

23. "Targeting protease secretion inhibition in *Staphylococcus aureus*" National Seminar NCSTRU Mangalore University, Mangalagangothri on 8th -9th September 2017 Mangalore University, Mangalagangothri
24. "Growth Inhibition of *Salmonella* sp., by Endophyte Bacteria" in the International Conference on "Current concepts on the role of Indian Medicine and phytochemicals in maintenance of health" held from 15th -17th November 2018 organized by the Department of Studies & Research in Biochemistry, Mangalore University, Jnana Kaveri, P.G Centre, Chikka Aluvvara Kodagu
25. Yalpi Karthik & Manjula I K "Qualitative Identification of Bioactive compounds from unicellular Filamentous bacteria" International Workshop on Biology and Applications of Actinomycetes, 31st October-1st November 2019, University of Mysore, Mysore India in Association with Helmholtz Centre for Infection Research & Technical University of Braunschweig, Germany.
26. Annapoorna & Manjula I K "Moderately halophilic marine bacteria, a novel source of bioactive compounds" International Conference on life chemical and health sciences, 24th-26th October 2019, Ramaiah College of Arts Science and Commerce, Bengaluru
27. Rabha S., Sinha A., Kumari A., Das S., Manjula I K Kalita P.P., Kalita M.C.
"Preliminary phytochemical analysis of *Averrhoa carambola* and its antibacterial activity against *Escherichia coli*" CHRYSALIS Bio- exploration for human welfare: an integrative approach; 18th to 19th November 2019 at Assam Down Town University Guwahati Assam
28. Das S., Bharali P., Shukla S., Manjula I K Kalita M. C., "Nano Embedded Novel Biodegradable polymer from an unexploited plant". Nanojatha Lecture Series, Road show & Exhibition NITTE (Deemed to be university) on 5th December 2019. (3rd Prize Best Poster award).
29. Das S., Manjula I K "Green synthesis of stable silver Nanoparticles using different plant extracts and its application in bioremediation" National Level Conference on Recent Novel Approaches in Chemical Sciences on 12 Feb 2020 at Field Marshal KM Cariappa College, Madikeri, Karnataka, India
30. K. J. Gowrish, Das S., Manjula I K. "Screening and Isolation of Biosurfactant Producing bacteria from soil of Kodagu Region", National Level Conference on Recent Novel Approaches in Chemical Sciences on 12 Feb 2020 at Field Marshal KM Cariappa College, Madikeri, Karnataka, India (3rd Prize Best Poster award).
31. M. N. M. Aiswarya, Das S., I. K. Manjula " Screening, Isolation And Biochemical Characterization Of Cellulose Producing Bacteria From Homemade Wine Of Coorg Region, Karnataka" Current Advances in medical and Industrial Biotechnology Organised by Department of Biotechnology, Alva's College Moodubidire, Mangalore. (20 Feb 2020)
32. S. Nisha, Das S., "Screening, Isolation and Biochemical Characterization of Cellulose Producing Bacteria from Spoiled Fruits and Vegetables" Current Advances in medical and

Industrial Biotechnology Organised by Department of Biotechnology, Alva's College Moodubidire, Mangalore. (20 Feb 2020).

33. K. J. Gowrish, Das S., I. K. Manjula "Biosurfactant Production By Thermophilic Bacterial Strains Isolated From The Soil Of Kodagu Region, Karnataka." Current Advances in medical and Industrial Biotechnology Organised by Department of Biotechnology, Alva's College Moodubidire, Mangalore. (20 Feb 2020).
34. Participated in the "2001 National Seminar on seed science and Technology in the New Millennium: vistas and vision" during August 6th -8th 2001 in the Department of studies in Applied Botany and Biotechnology, University of Mysore, Mysore.
35. Participated in the UGC sponsored seminar on DNA: Past, Present and Future held on 11th - 12th September, 2004 at DVS college of Arts and Science, Shimoga (Celebrating golden jubilee of double helix)
36. Participated in the Silver jubilee celebration and exhibition of Mangalore University, Mangalore, Karnataka, held during 24th -30th January 2005. Guided M Sc., students to prepare scientific models/charts and information that were exhibited during the event to the general public, college and school students.
37. Participated in the seminar on "Microbial outlook-2005 Recent Advances in Microbiology" organized by Microbiology Association, Department of Microbiology, Cauvery Campus , Kodagu on 12 and 13th February 2005 (Mangalore University silver jubilee year)
38. Participated in the two days seminar workshop "Indian Academy of sciences outreach seminar workshop on molecular biology on 11th and 12th of April 2008 in the Department of Biochemistry, Cauvery campus, Mangalore University, Madikeri
39. Participated and Involved as a member of organizing committee in one day seminar on "Global Warming"-Present and Future Scenario" organized in the Department of Biosciences, Mangalore University, Mangalagangothri on 18th March 2010, under the auspices of Ministry of Environment and Forests-Govt. of India and Karnataka Rajya Vijnana Parishat for the successful organization of the National Environment Awareness Campaign 2009-2010
40. Participated in the workshop on "Community Participation in Biodiversity Conservations "held on 12th April 2011 in the Department of Biosciences, Mangalore University, Mangalagangothri under the auspices of Ministry of Environment and Forests-Govt. of India and Karnataka Rajya Vijnana Parishat for the successful organization of the National Environment Awareness Campaign 2010-2011
41. Participated in One day workshop on "Examination reforms" held at Govindas College, Suratkal

42. Participated in One day workshop on “Alternate Therapies and Well being” held on 23rd March 2013 at F.M.K.M.C.College, Madikeri
43. Participated in One day workshop on ‘ Biostatistics’ on 26th December 2013 ,University of Madras, Taramani Campus, Chennai
44. Participated in the “4th National pre-Conference Workshop of SOBSICON 2014” organised by the Dept. Of studies and Research in Biochemistry, Mangalore University, P.G. centre, Chikka Aluvara, Kodagu on “Recent Advances in Research Methodologies in Biological Sciences” Mangalore University, Mangalagangothri, Karnataka, India On 17th November 2014.
45. Participated in the two days Lecture Series on “Interdisciplinary approach of Lifesciences and societal development” on 6th and 7th May 2015 organized at the P.G. centre, Mangalore University, Chikka Aluvara, Kodagu 571 232
46. Participated in Organizing the National Seminar on “Ambedkar’s vision on Democracy, law and social transformation” held on 13th to 14th October 2017 at P.G. Centre Chikka Aluvara
47. Participated in the International Conference on “ Current concepts on the role of Indian Medicine and phytoceuticals in maintenance of health” held from 15th -17th November 2018 organized by the Department of Studies & Research in Biochemistry, Mangalore University, Jnana Kaveri, P.G Centre, Chikka Aluvara Kodagu)
48. Participated in the Six days GIAN Programme (Global Initiative for Academic Networks) on “Lung Inflammation and Respiratory diseases” from 6th to 11th November 2017 organized at Mangalagangothri Mangalore University
49. Participated in Six days Hands on workshop Biostatistics and Bioinformatics, A Faculty Development Program 24th to 29th June 2019 RK University, Rajkot, Gujarat
50. Participated in Seven days National workshop on Scientific Equipments: Application and Data Analysis in Advanced Research 17th to 23rd September 2019 Institute of Excellence, vijana Bhavan Manasangothi, University of Mysore, Mysuru.
51. Participated in Two days International Workshop on Biology and Applications of Actinomycetes 31st October-1st November 2019, University of Mysore, Mysore India in Association with Helmholtz Centre for Infection Research & Technical University of Braunschweig, Germany.
52. Participated in Week Faculty Development Programme on "MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0" from July 25 - August 10, 2020 and obtained grade A from Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF HUMAN RESOURCE DEVELOPMENT PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
53. Participated in Two Weeks Faculty Development Programme on "QUANTITATIVE METHODS FOR DATA ANALYSIS" from August 12 - August 25, 2020 and obtained

grade A from Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF HUMAN RESOURCE DEVELOPMENT PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

54. Participated in Three days 3 Days Workshop on Advancement in Applied Microbiology and Biotechnology 2021” held at the Dept. of Microbiology, Jnana Kaveri, Mangalore University
55. Two days National webinar on “COVID-19 Pandemic and its management strategies” (CPAIMS-2021) held at Jnana Kaveri Post graduate campus, Chikka ALuvara, Kodagu on 28th and 29th October 2021
56. One Week Online International Workshop on Biostatistics Organised By Science Tech Institute, Lucknow, during Nov, 21-27, 2021, organised by Science Tech Institute, Lucknow, UP India.
57. One Day National Webinar on Integrated Microbiological and Biotechnological Approaches for Scientific Advancement-2022 IMBSA-2022” on 7th March 2022 by the dept. of Microbiology, Mangalore University, Jnana Kaveri Kodagu 571232

Invited / plenary talks delivered

As RESOURCE speaker (Invited talk) on “Biology of Cancer” in the Orientation programme for P.U. Lecturers held in the Government Pre-University College, Madikeri, Kodagu District On 02-08-2004.

Co-Chairman for poster presentation and Review section National seminar on “Microbes in the present scenario” 28th-1st March 2014 held at Dept. Of Microbiology, Mangalore University, Chikka aluvara, Kodagu.

RESOURCE speaker by delivering a talk and practical demonstration of Cell culture facilities with providing the laboratory facilities established under the SERB project in Dr. Sarada Subramanian Memorial Pre-Conference Workshop on “Basics of Cell Culture and application in drug discovery” held on 15th November 2018 organized by the Department of Studies & Research in Biochemistry, Mangalore University, Jnana Kaveri, P.G Centre, Chikka Aluvara Kodagu

CHAired session as Chairperson in the International Conference on “Current concepts on the role of Indian Medicine and phytoceuticals in maintenance of health” held from 15th - 17th November organized by the Department of Studies & Research in Biochemistry, Mangalore University, Jnana Kaveri, P.G Centre, Chikka Aluvara Kodagu

Chaired a session as Rapporteur in the International Conference on “Current concepts on the role of Indian Medicine and phytoceuticals in maintenance of health” held from 15th - 17th November 2018 organized by the Department of Studies & Research in Biochemistry, Mangalore University, Jnana Kaveri, P.G Centre, Chikka Aluvara Kodagu

Guest talk delivered on “Kannada Rajyotsava” celebration in the Jnana Kaveri campus during November 2019

Guest talk delivered on the “Mathrubasha divas” celebration on 20-02-2020 at the Jnana Kaveri campus

Resource Speaker On Topic: Implication of Programmed cell death in cancer therapeutics based on microbial metabolites at “ Three days 3 Days Workshop on Advancement in Applied Microbiology and Biotechnology 2021” held at the Dept. of Microbiology, Jnana Kaveri, Mangalore University

Conferences / Seminars / Workshops / Symposia organized

Co-convenor for organizing one day workshop and exhibition on wildlife during “Community Participation in Biodiversity Conservations “held on 12th April 2011 in the Department of Biosciences, Mangalore University, Mangalagangothri under the auspices of Ministry of Environment and Forests-Govt. of India and Karnataka Rajya Vijnana Parishat for the successful organization of the National Environment Awareness Campaign 2010-2011

Organizing committee member and cultural committee Convener for conducting National seminar on “Microbes in the present scenario” 28th-1st March 2014 held at Dept. Of Microbiology, Mangalore University, Chikka aluvara, Kodagu.

Organizing committee member during the two days Lecture Series on “Interdisciplinary approach of Lifesciences and societal development” on 6th and 7th May 2015 organized at the P.G. centre, Mangalore University, Chikka Aluvara, Kodagu 571 232

Participated in Organizing the National Seminar on “Ambedkar’s vision on Democracy, law and social transformation” held on 13th to 14th October 2017 at P.G. Centre Chikka Aluvara

As Convener of Women’s cell Committee at the Institute , Convened and Participated in the Social programme on “Social Issues at Glance” by Prof P.L. Dharma, Professor of Political Science, Mangalore University at the P.G Centre organized by Antiragging-Women Cell-SPARSH Committee on January 2018 at the P.G Centre Jnana Kaveri, Mangalore University, Chikka Aluvara Kodagu

As the, Convened and Participated in the organization of talk by Sri P.K Muralidhar **Convener of the Women’s Cell Committee**, Deputy Superintendent of Police, Somvarpet, Kodagu on 08-02-2019 on Social Issues on “ Drug addiction, Road Safety, Women atrocities and Women Rights” under the Women Cell and SPARSH Committee of Jnana Kaveri P.G Centre Mangalore University

As Organizing coordinator “Three days 3 Days Workshop on Advancement in Applied Microbiology and Biotechnology 2021” held at the Dept. of Microbiology, Mangalore University, Jnana Kaveri Kodagu

As Organizing secretary “One Day National Webinar on Integrated Microbiological and Biotechnological Approaches for Scientific Advancement-2022 IMBSA-2022” held at the Dept. of Microbiology, Mangalore University, Jnana Kaveri Kodagu

Awards / Fellowship / Recognition

K. J. Gowrish, Das S., Manjula I K. “Screening and Isolation of Biosurfactant Producing bacteria from soil of Kodagu Region”, National Level Conference on Recent Novel Approaches in Chemical Sciences on 12 Feb 2020 at Field Marshal KM Cariappa College, Madikeri, Karnataka, India (**3rd Prize Best Poster award**).

Das S., Bharali P., Shukla S., Manjula I K Kalita M. C., “Nano Embedded Novel Biodegradable polymer from an unexploited plant”. Nanojatha Lecture Series, Road show & Exhibition NITTE (Deemed to be university) on 5th December 2019. (**3rd Prize Best Poster award**).

“Antimicrobial potency of a few Western Ghats plants” by Deepa Jacob and Manjula I.K., presented paper at the National Seminar on Microbial Technology-2004 held at Dr. G.R. Damodar College of science , Coimbatore on 12th-13th 2004. (**Secured Best oral Presentation award**)

“Screening of some plants for their antibacterial property” Vidhya Kunder, and Manjula I.K presented paper in the poster presentation session in National seminar on “Biological Science and its impact on environment” organized by Shri Jagadguru Renukacharya College of Science, Arts and Commerce, Bangalore and Environment Research Academy International-Vishakapatnam (INDIA). (**Secured FIRST place in the poster presentation**)

Bagged **First prize** for, Caption making Competition during Social Work day 2016 at Chikka Aluvara Campus
Second prize in Women’s shuttle badminton at Mangalore University P.G Centre Chikka Aluvara 2016

Principal investigator –SERB project, Govt. of India, 2017-2021

Programme Coordinator- VGST, Centres of Innovative Science Engineering Education, Govt. of Karnataka, 2019-2022

Membership of Professional Bodies

Board of Studies, Dept. of Microbiology Mangalore University	Member
Department Council, Dept. of Microbiology Mangalore University	Member
Society of Biological Chemists, India.	Life member
Indian Association of Biomedical Scientists	Life member

Dr.I.K.Manjula