

# PROFILE

## DR. CHANDRAPPA M. KAMANAVALLI

**Senior Professor & Chairman**

**P. G. Department of Studies in Biochemistry,  
Karnatak University, Dharwad-580 003**

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**Research Area:** Biodegradation and Bioremediation, Phytoremediation, Enzyme Technology, Cancer Biology and Nanotechnology.

**Citation Indices** 787

**h-index:** 13

**i10-index** 15

### Basic Details

1	<b>Father Name</b>	<b>Mukappa Y Kamanavalli</b>
2	<b>Gender</b>	<b>Male</b>
3	<b>Category</b>	<b>SC</b>
4	<b>Religion</b>	<b>Hindu</b>
5	<b>Caste</b>	<b>Bhovi</b>
6	<b>Nationality</b>	<b>Indian</b>
7	<b>Mother tongue</b>	<b>Kannada</b>
8	<b>Residential Address</b>	<b>H. No. 124, 'ANUCHETANA' 5<sup>TH</sup> Main, 10<sup>th</sup> Cross, Near Arabindo School, CB Nagar, Dharwad-580007 Phone: 9448922795 / 9481280961</b>

### 1. Ph. D. Degree Details

<b>Ph. D. Thesis Title</b>	<b>Guide's Name</b>	<b>University</b>	<b>Year of Award</b>
Studies on the Biodegradation of Environmental Pollutants	Dr. H. Z. Ninnekar Professor (Rtd.), K. U. Dharwad	K. U. Dharwad	24-01-2001

### 2. Position

<b>Professor &amp; Chairman</b>		
<b>Sl. No.</b>	<b>From</b>	<b>To</b>
3.	14-02-2026	Till Date
2.	16-02-2022	15-02-2024
1.	16-02-2018	17-02-2020

### 3. Professional Details

Sl. No.	Designation	Institution/University	UG/PG	From	To
1.	Senior Professor	Karnatak University, Dharwad	PG	27-11-2023	Till Date
2.	Professor	Karnatak University, Dharwad	PG	27-11-2013	26-11-2023
3.	Associate Professor	Karnatak University, Dharwad	PG	26-11-2013	27-11-2013
4.	Associate Professor	Karnatak Science College, Dharwad	UG	23-01-2009	25-11-2013
5.	Selection Grade Lecturer	Karnatak Science College, Dharwad	UG	23-01-2006	22-01-2009
6.	Senior Lecturer	Karnatak Science College, Dharwad	UG	24-01-2001	23-01-2006
7.	Lecturer	Karnatak Science College, Dharwad	UG	25-07-1997	23-01-2001
8.	Assistant Professor	UAS Dharwad	UG	10-09-1996	24-07-1997

### 4. Educational Qualification

Sl. No.	Course	Subjects	University	Year
1.	Ph. D.	BIOCHEMISTRY	Karnatak University, Dharwad	2000
2.	SLET	BIOCHEMISTRY	Karnatak University, Dharwad	1996
3.	M. Sc.	BIOCHEMISTRY	Karnatak University, Dharwad	1995
4.	B. Sc.	CHEMISTRY, BOTANY, GEOLOGY	Karnatak Science College, Dharwad	1993

### 5. Best Research Publication Award

Sl. No.	Name of the Award	University	Title	Journal
1.	Best Research Publication Award in Science-2023	Karnatak University, Dharwad	<i>Biocompatibility assessment of Rutin and PEG loaded novel nanoceria on human erythrocytes and human myeloid Leukemia (U937) cells</i>	Journal of Drug Science and Technology

### 6. Research Guidance Details for Ph. D.

List of Awarded Ph. D. Candidates				
Sl. No.	Name of the Scholar	University	Title of the Thesis	Year
10.	Dr. Paramanna B Pujari	K U Dharwad	Plant mediated synthesis of nanoparticles and its pharmacological applications	2026
9.	Dr. Anjana T Gaddigal	K U Dharwad	Medicinal plants assisted synthesis of nanoparticles and their applications	2026
8.	Dr. Parashuram S	K U Dharwad	Biogenic synthesis of metal nanoparticles and screening for their applications	2025

7.	Dr. Manisha R Mirjankar	K U Dharwad	Endophytic bacteria assisted phytoremediation of contaminated soil and water	2023
6.	Dr. Madhu P Ganeshkar	K U Dharwad	Biosynthesis of nanoparticles and their applications	2023
5.	Dr. Shruti Laad	K U Dharwad	A study on polyphenoloxidases and their modulators	2022
4.	Dr. Shridhar V Pattar	K U Dharwad	Identification of inhibitors for differentially expressed aldehyde dehydrogenase (ALDHs) gene family in breast cancer	2021
3.	Dr. Namadev K Pujari	K U Dharwad	Studies on the biodegradation of environmental toxic compounds by soil microorganisms	2018
2.	Dr. Vijayalaxmi A Edalli	K U Dharwad	Studies on enzymatic oxidation of toxic aromatic compounds by mushroom polyphenoloxidase	2017
1.	Dr. Jagannath C Kadakol	K U Dharwad	Studies on microbial biodegradation of ferulic acid and carbofuran	2012

### 7. List of Candidates Presently Working

Sl. No.	Name of the Scholar	University	Title of the Thesis	Registration Year
1.	Vijay M	K. U. Dharwad	Carbon quantum dots: Biosynthesis, characterisation and evaluation of their pharmacological properties	2022
2.	Praveen V. Huyilagola	K. U. Dharwad	Phytofabrication of nanoparticles and their medicinal applications	2023
3.	Kirankumar M. Irannanavar	K. U. Dharwad	Ethnomedicinal plant assisted nano particles synthesis and their applications	2023
4.	Ummula Shaik	K. U. Dharwad	Biosynthesis of metal nanoparticles and its applications	2025

### 8. Academic/ Administrative Responsibilities

Sl. No.	Academic/ Administrative	From	To
8.	Chairman, PG Department of Studies in Biochemistry, Karnatak University, Dharwad	14-02-2026	Till Date
7.	Chairman, PG Department of Studies in Biochemistry, Karnatak University, Dharwad	16-02-2022	15-02-2024
6.	Chairman, PG Department of Studies in Biochemistry, Karnatak University, Dharwad	16-02-2018	17-02-2020
5.	Chairman, Board of Studies in Biochemistry, KU Dharwad	July 2020	July 2022
4.	Chairman, Board of Studies in Home Science, (UG) KU Dharwad	October 2022	Till date
3.	Chairman, Board of Examination in Biochemistry, KU	2016	Till date

	Dharwad		
2.	Member, Science Faculty, K U Dharwad	2013	Till date
1.	Member, NEP-2020 (Biochemistry) Karnataka State	2021	-

## 9. Responsibilities

Sl. No.	Responsibilities	Year
1.	Local Inquiry Committee (LIC) Chairman / Member	2013 to Till Date
2.	Karnatak University, Dharwad. Annual Report Preparation Committee Member.	2016 onwards
3.	DSWO (Incharge) K. U. Dharwad	
4.	Convener for Distribution of total 650 Free Lap Tops for SC/ST Students, K. U. Dharwad	2017-18
5.	Convener for Distribution of total 530 Free Lap Tops for SC/ST Students, K. U. Dharwad.	2018-19
6.	Convener for Distribution of total 530 Free Lap Tops for SC/ST Students, K. U. Dharwad.	2019-20
7.	Warden, Nijalingappa Hostel, K. U. Dharwad.	Four years
8.	Co-ordinator, Biotechnology, Karnatak Science College, Dharwad.	2012 to 2013
9.	Warden, Krishna and Godhavari Hostel, Karnatak Science College, Dharwad.	Three years

## 10. BOS Chairman

2.	30 June 2024	Till Date
1.	30 June 2020	30 June 2022

## 11. BOA Member of other Universities

Sl. No.	Universities/ institution Names
1.	Karnatak University, Dharwad
2.	Shivaji University, Kolhapur
3.	Goa University, Goa
4.	Raichur University, Raichur
5.	Karnataka State Open University, Mysore

## 12a. BOS Member of other Universities

Sl. No.	Universities/ Institution Names
1.	Davangere University, Davangere
2.	Kuvempu University, Shimoga
3.	Tumkuru University, Tumkuru
4.	Mangalore University, Mangalore
5.	Bengaluru University, Bengaluru
6.	Ranichennamma University, Belagavi
7.	Kolhapur University, Kolhapur
8.	Dwaraka Autonomous College, Chennai

## 12b. BOE Member of other Universities

Sl. No.	Universities/ Institution Names
1.	Davangere University, Davangere
2.	Kuvempu University, Shimoga
3.	Tumkuru University, Tumkuru
4.	Mangalore University, Mangalore
5.	Akkamahadevi University, Bijapura
6.	University of Agricultural Sciences, Dahrwad
7.	Bengalore University, Bengalore
8.	Bengalore City University, Bengalore
9.	Ranichennamma University, Belagavi
10.	Kodagu University, Kodagu
11.	Kolhapur University, Kolhapur
12.	Karnataka State Open University, Mysore
13.	Dwaraka Autonomous College, Chennai

## 13. Research Projects

Sl. No.	Principle investigator / Member	Funding Agency	From	To
3.	Project Implementation Working Group Member (PIG)	DST–PURSE Phase - II Programme, New Delhi	2014	2018 Completed
2.	MRP on: Biodegradation of Pesticide Contaminated Soil	UGC, New Delhi	2005	2007 Completed
1.	MRP on : A Revisit to the Synthesis of AAA and New Furazoly Quinolines- Microwave Assisted Reactions	UGC, New Delhi	2008	2010 Completed

## 14. List of Publications (descending order) Total: 40

Sl. No	List of Research Publications
40	<i>In vitro</i> study of biologically synthesised magnesium oxide nanoparticles cytotoxicity in cancer cell lines. Parashuram Shivappa, Anjana Thatesh Gaddigal, Madhu Prakash Ganeshkar, Manisha Rajendra Mirjankar, Paramanna Bhagappa Poojari, Praveen Veerappa Huyilagola, Kirankumar Malleshappa Irannanavar, Premakshi Hucharayappa Goder and <b>Chandrappa Mukappa Kamanavalli</b> . 3Biotech (2026), Springer.
39	Partial purification, characterization and some kinetic study of inhibitory effect of polyphenol oxidase enzyme derived from <i>Averrhoa bilimbi</i> . Shruti Laad, Madhu Prakash Ganeshkar, Anjana Thatesh Gaddigal, Parashuram Shivappa, Paramanna Bhagappa Poojari, Praveen Veerappa Huyilagola, Kirankumar Malleshappa Irannanavar, Premakshi Hucharayappa Goder and <b>Chandrappa Mukappa Kamanavalli</b> . Journal of Microbiology, Biotechnology & Food Science ( <b>Revised Manuscript submitted</b> )
38	<i>In vitro</i> synergistic bioactivities of novel raffinose loaded PEGylated ZnO nanoparticles: from infection control to cancer therapy, Paramanna Bhagappa Poojari, Nagaratna Mallikarjuna

	Reddy, Manisha Rajendra Mirjankar, Praveen Veerappa Huyilagola, Vijakumar Manjanatha and <b>Chandrappa Mukappa Kamanavalli</b> . New Journal of Chemistry, (2026), <b>Royal Society of Chemistry</b>
37	Biosynthesis of nickel oxide nanoparticles using ethnomedicinal plant <i>Crotalaria pallid</i> leaves extract: Evaluation of antibacterial, antioxidant, antiangiogenic, cytotoxicity and ROS expression against HCT-116 and PANC-1 cells, Kirankumar Malleshappa Irannanavar, Anjana Thatesh Gaddigal, Parashuram Shivappa, Manisha Rajendra Mirjankar, Paramanna Bhagappa Poojari, Praveen Veerappa Huyilagola, and <b>Chandrappa Mukappa Kamanavalli</b> . Next Nanotechnology, 9 (2026) 100385, <b>Elsevier</b>
36	Exploring the biological properties of ZnO and CuO based nanoparticles prepared from <i>Theobroma Cacao L.</i> leaf extract: a promising approach for nanomedicine, Paramanna Bhagappa Poojari, Praveen Veerappa Huyilagola, Manisha Rajendra Mirjankar, Anjana Thatesh Gaddigal, Parashuram Shivappa, Kirankumar Malleshappa Irannanavar, Premakshi Hucharayappa Goder, and <b>Chandrappa Mukappa Kamanavalli</b> . Journal of Dispersion Science and Technology, (2025), <b>Taylor &amp; Francis</b>
35	Characterization and bioactivity enhancement of resveratrol with PVP-loaded MgO nanoparticles, Parashuram Shivappa, Anjana Thatesh Gaddigal, Manisha Rajendra Mirjankar, Madhu Prakash Ganeshkar, Premakshi Hucharayappa Goder, Vijaykumar Ramesh Karoshi and <b>Chandrappa Mukappa Kamanavalli</b> . Bionanoscience, (2025), <b>Springer</b> .
34	Green synthesis of cerium oxide nanoparticles using <i>Prosopis cineria</i> leaf extract: Biomedical and environmental studies for multifaceted applications, Praveen Veerappa Huyilagola, Anjana Thatesh Gaddigal, Paramanna Bhagappa Poojari, Parashuram Shivappa, Kirankumar Malleshappa Irannanavar, Priyanka Virupakshappa Thotad, Sindu Subhas Madinoor, Veena Basayya Mahantinmath, Mahaboosab Jamalsab Nadaf, Yashodha Ramaraddi Meti, Abhishek Ashok Kurandwad and <b>Chandrappa Mukappa Kamanavalli</b> . Material Nanoscience 2025 12(2)1199
33	Green synthesis of magnesium oxide nanoparticles using <i>Gmelina arborea</i> leaf extract: antioxidant, and antiangiogenic potentials, P. Shivappa, A. T. Gaddigal, P. B. Poojari, K. M. Irannanavar, P. V. Huyilagola, S. V. Irannanavar & C. M. Kamanavalli. Material Nanoscience 2025 12(1)1184
32	Green synthesis of chromium oxide nanoparticles using <i>Simarouba glauca</i> leaf extract and its biomedical applications, Anjana Thatesh Gaddigal, Parashuram Shivappa, Manisha Rajendra Mirjankar, Madhu Prakash Ganeshkar, Paramanna Bhagappa Poojari, Kirankumar Malleshappa Irannanavar, Praveen Veerappa Huyilagola, Premakshi Hucharayappa Goder and <b>Chandrappa Mukappa Kamanavalli</b> . Spectroscopy Letters (2025), <b>Taylor &amp; Francis</b>
31	Green synthesis of iron oxide nanoparticles using <i>Justicia adhatoda</i> leaf extract and evaluating their in vitro antibacterial, antioxidant, anti-angiogenic, and anticancer activities, Praveen Veerappa Huyilagola, Anjana Thatesh Gaddigal, Parashuram Shivappa, Paramanna Bhagappa Poojari, Kirankumar Malleshappa Irannanavar, Manisha Rajendra Mirjankar, Shanmukahppa Veerabhadrapppa Irannanavar and <b>Chandrappa Mukappa Kamanavalli</b> . Particulate Science and Technology, (2025), <b>Taylor &amp; Francis</b>
30	Diverse approach for the evaluation of antibacterial, antioxidant, and cytotoxicity properties: Plant-mediated synthesis of AgO, ZnO and AgO-ZnO bimetallic nanoparticles using <i>Theobroma cacao</i> leaf extract. Paramanna Bhagappa Poojari, Manisha Rajendra Mirjankar, Madhu Prakash Ganeshkar, Anjana Thatesh Gaddigal, Parashuram Shivappa Praveen Veerappa Huyilagola, , Kirankumar Malleshappa Irannanavar, Premakshi Hucharayappa Goder and

	<b>Chandrappa Mukappa Kamanavalli.</b> Next Nanotechnology, (2025), Elsevier
29	Bismuth nanoparticle synthesis utilizing hydroalcoholic <i>Endocomia macrocoma</i> leaf extract to evaluate their antimicrobial, antioxidant, and anticancer properties. Parashuram Shivappa, Manisha Rajendra Mirjankar, Anjana Thatesh Gaddigal, Madhu Prakash Ganeshkar, Paramanna Bhagappa Poojari, Praveen Veerappa Huyilagola, Kirankumar Malleshappa Irannanavar, Premakshi Hucharayappa Goder and <b>Chandrappa Mukappa Kamanavalli.</b> Journal of Dispersive Science and Technology, (2025) 1:15 Taylor & Francis
28	Green synthesis of copper oxide nanoparticles using <i>Simarouba glauca</i> leaf extract, characterization and screening for their biological applications, Anjana Thatesh Gaddigal, Parashuram Shivappa, Madhu Prakash Ganeshkar, Manisha Rajendra Mirjankar, Paramanna Bhagappa Poojari, Praveen Veerappa Huyilagola, Kirankumar Malleshappa Irannanavar, Premakshi Hucharayappa Goder and <b>Chandrappa Mukappa Kamanavalli.</b> Journal of Dispersive Science and Technology, (2024) 1:15 Taylor & Francis
27	Biocompatibility assessment of autin and PEG aoaded novel nanoceria on human erythrocytes and human myeloid leukemia (U <sub>937</sub> ) cells, Madhu Prakash Ganeshkar, Anjana Thatesh Gaddigal, Parashuram Shivappa, Paramanna Bhagappa Poojari, Premakshi Hucharayappa Goder, Chandrappa Mukappa Kamanavalli J. Drug Science and Technology, 86 (2023) 104761, Elsevier
26	Phytoremediation of copper contaminated water using <i>Pistia stratiotes</i> and emphasis of thermal stability in response to metal stress, Manisha R. Mirjankar, Shridhar V. Pattar, Anjana T. Gaddigal, Parashuram Shivappa, Paramanna B. Poojari, Madhu P. Ganeshkar, Premakshi H. Goder and <b>Chandrappa M. Kamanavalli.</b> Water Conservation Science and Engineering, (2023) 8:24 Springer
25	Isolation of culturable endophytic bacteria from the roots of <i>Aloe vera</i> L. ( <i>Aloe barbadensis</i> Miller) and their application in phytodegradation of xenobiotics, Manisha Rajendra Mirjankar Shridhar Veeresh Pattar Anjana Thatesh Gaddigal Parashuram Shivappa Paramanna Bhagappa Poojari Madhu Prakash Ganeshkar Premakshi Hucharayappa Goder and <b>Chandrappa Mukappa Kamanavalli,</b> Water Air Soil Pollution, (2023) 234:451 Springer
24	Biogenic synthesis of selenium nanoparticles, characterization and screening of therapeutic applications using <i>Averrho acarambola</i> leaf extract, Madhu Prakash Ganeshkar, Manisha Rajendra Mirjankar, Parashuram Shivappa, Anjana Thatesh Gaddigal, Premakshi Hucharayappa Goder and <b>Chandrappa Mukappa Kamanavalli,</b> Particulate Science and Technology, 41 (2023) 990-1002, Taylor & Francis
23	Characterization and screening of anticancer properties of cerium oxide nanoparticles synthesized using <i>Averrhoa carambola</i> plant extract, Madhu Prakash Ganeshkar, Premakshi Hucharayappa Goder Manisha Rajendra Mirjankar, Anjana Thatesh Gaddigal, Parashuram Shivappa and <b>C. M. Kamanavalli,</b> Inorganic and Nano-Metal Chemistry, 2022. Taylor & Francis
22	Garlic and Cilantro assisted phytoextraction of zinc using <i>Sansevieria roxburghiana</i> from contaminated soil, Manisha R Mirjankar, Shridhar V Pattar, Namadev K Pujar, ShrutiLaad, Madhu P Ganeshkar, Sikandar I Mulla and <b>Chandrappa M Kamanavalli</b> Biocatalysis and Agricultural Biotechnology, 38 (2021) 102203 Elsevier
21	Analysis of human aldehyde dehydrogenases (ALDH) gene expression pattern in breast cancer

	tissue samples: Rutin-copper complex inhibit the breast cancer cell proliferation, Shridhar V Pattar, Manisha R Mirjankar, Suyamindra Kulkarni, Pramod B Gai, Namadev K Pujar, H G Premakshi, Sikandar I Mulla, R L Babu and <b>Chandrappa M Kamanavalli</b> , Egyptian Journal of Medical Human Genetics, (2021) 22:21. <b>Springer</b>
20	Partial purification, characterization and investigation of inhibitory effects of organic compounds on <i>Cinnamomum verum</i> polyphenoloxidase enzymes, Shruti Laad, H G Premakshi, Manisha Mirjankar, Sikandar Mulla, Namadev Pujari and <b>Chandrappa Kamanavalli</b> , Applied Food Biotechnol, 7 (2020) 183-193.
19	<i>In Silico</i> molecular docking studies and MM/GBSA analysis of coumarin-carbonodithioate hybrid derivatives divulge the anticancer potential against breast cancer, Shridhar Veeresh Pattar, Shakeel Ahamed Adhoni and <b>Chandrappa Mukappa Kamanavalli</b> , and Suresh Sadashiv Kumbar, Beni-Suef University Journal of Basic and Applied Sciences, 9 (2020) 36 <b>Springer</b> .
18	Biodegradation of phenmedipham by novel <i>Ochrobactrum anthropi</i> NC-1, Namadev K. Pujar, Shruti Laad, H. G. Premakshi, Shridhar V. Pattar, Manisha Mirjankar and <b>Chandrappa M Kamanavalli</b> 3 Biotech,9 (2019) 52. <b>Springer</b>
17	Biodegradation of chlorpropham and its major products by <i>Bacillus licheniformis</i> NKC-1, Namadev K Pujar, H. G. Premakshi, Shruti Laad, Shridhar V. Pattar, Manisha Mirjankar and <b>C. M Kamanavalli</b> World Journal of Microbiology and Biotechnology, 34 (2018) 112. <b>Springer</b>
16	Evaluation of <i>p</i> -cresol degradation with polyphenol oxidase (PPO) immobilized in various matrices, Vijaylakshmi A. Edalli, Sikandar I. Mulla, Syed Ali Musstjab Akber Shah Eqani, Gurumurthy D. Mahadevan, Rohit Sharma, Yogesh Shouche and <b>Chandrappa M. Kamanavalli</b> 3 Biotech, 6 (2016) 229. <b>Springer</b>
15	Application of immobilized mushroom polyphenol oxidase for the removal of phenol and 4-chlorophenol, V. A. Edalli and <b>C. M. Kamanavalli</b> International Journal of Biochemistry. Photon 108 (2013) 144-150. <b>Photon</b>
14	Optical and fluorescence study of ethidium bromide doped poly (vinyl alcohol), Renuka Sali, L. R. Naik, R. F. Bhajantri, <b>C. M. Kamanavalli</b> and H. G. Premakshi. International Journal of Luminescence and Applications, 5 (2015) 131-133
13	Isolation and identification of $\beta$ -galactosidase producing bacterial strains and partial purification of $\beta$ -galactosidase, Shridhar Pattar, Manisha Mirjankar, Namadev Pujar, Shruti Laad and <b>Chandrappa Kamanavalli</b> . International Journal for Research in Applied Science and Engineering Technology, 6 (2018)
12	Partial purification and characterization of star fruit leaves ( <i>Averrho acarambola</i> L.) polyphenoloxidase and its immobilization study with different matrices for removal of aqueous phenol, Shruti Laad, Premakshi H G and <b>Chandrappa Mukappa Kamanavalli</b> . International Journal of Botany Studies, 6 (2021) 161-167
11	Phytodegradation of polycyclic aromatic hydrocarbons (PAHs) contaminated soil using <i>Brassica juncea</i> ., Manisha R Mirjankar, Shridhar V Pattar, Premakshi H Goder and <b>Chandrappa Mukappa Kamanavalli</b> . Dogo Rangsang Research Journal, 13(2023)
10	Biodegradation of carbofuran phenol by free and immobilized cells of <i>Klebsiella pneumoniae</i> ATCC13883T, J. C. Kadakol, <b>C. M. Kamanavalli</b> and Yogesh Shouche., World Journal of

	Microbiology and Biotechnology, 27 (1), 25-29, 2011 <b>Springer</b> .
9	Biodegradation of eugenol by <i>Bacillus cereus</i> strain PN24, J. C. Kadakol, <b>C. M. Kamanavalli</b> . E-Journal of Chemistry, <b>Hindawi</b> , 7 (S1), S474-S480, 2010
8	Removal of phenolic compounds by mushroom polyphenol oxidase from <i>Pleurotus</i> species, V. A. Edalli and <b>C. M. Kamanavalli</b> , The Bioscan, Ranchi: <b>National Environmentalists Association</b> , 4, 89-92, 2010
7	Biodegradation of ferulic acid by <i>Bacillus pumilus</i> zyj 1-2, J. C. Kadakol and <b>C. M. Kamanavalli</b> . The Bioscan, Ranchi: <b>National Environmentalists Association</b> , 4 (3), 399-403, 2009
6	Synthetic and biological studies on mono-and bis-methylene-bridged heterocyclic sulfides and sulfones of carbostyrils, Rajesh G Kalkhambkar, Geeta M Kulkarni, H Shivkumar, R Nagendra Rao, <b>Chandrappa M Kamanavalli</b> and Jagannath C Kadakol, Journal of Sulfur Chemistry, 30 (6), 596-610, 2009 <b>Taylor &amp; Francis</b>
5	Synthesis and biological activities of some new fluorinated coumarins and 1-aza coumarins, Rajesh G Kalkhambkar, Geeta M Kulkarni, <b>Chandrappa M Kamanavalli</b> , N Premkumar, SMB Asdaq and Chung Ming Sun. European journal of medicinal chemistry, 43 (10), 2178-2188, 2008. <b>Elsevier</b>
4	Biodegradation of p-Cresol by <i>Bacillus</i> sp. strain PHN 1, PN Tallur, VB Megadi, <b>CM Kamanavalli</b> , HZ Ninnekar. Current Microbiology, 53 (6), 529-533, 2006. <b>Springer</b>
3	Synthesis and antimicrobial activity of some new 3-acetyl-5-(3-methyl-5-hydroxypyrazole-4-yl)oxy-2-methylindoles, G. S. Gadaginamath*, S. R. Pujar, M G. Bhovi and <b>C. M. Kamanavalli</b> . Indian J. Heterocyclic Chemistry, 13, 209-212, 2004
2	Biodegradation of DDT by a <i>Pseudomonos</i> species, <b>C. M. Kamanavalli</b> and H. Z. Ninnekar. Current Microbiology. 48 (1), 10-13, 2004. <b>Springer</b> .
1	Biodegradation of propoxur by <i>Pseudomonos</i> species, <b>C. M. Kamanavalli</b> and H. Z. Ninnekar. World Journal of Microbiology and Biotechnology.16 (4), 329-331, 2000 <b>Kluwer Academic Publishers</b>

### 15. Book Chapters Contributed

Sl. No.	Title of the book	Chapter Title & Number	Author's	Publisher, Page & Year
3.	<b>Computaional approaches in bioengineering Volume 2: Computational approaches in biomaterials and biomedical engineering applications</b>	Use of biomaterials in the field of biomedical engineering: current trends, challenges and opportunities in implementations	M R Mirjankar, M P Ganeshkar, A T Gaddigal, Parashuram S, P B Poojari, S V Pattar, Premakshi H G., <b>C M Kamanavalli</b>	<b>Taylor &amp; Francis</b> 1-29 2024
2.	<b>Enzymes for Pollutant Degradation</b>	Biodegradation of Pesticides Used in Agriculture by Soil Microorganisms	N K Pujar, Premakshi H G, M P Ganeshkar, <b>C M Kamanavalli</b>	<b>Springer</b> 213-235 2022

1.	<b>B. Sc. II 2<sup>nd</sup> Semester Chemistry Laboratory Manual for Practical</b>	Organic chemistry & Inorganic chemistry for K. Sc. C. Dharwad	<b>C. M. Kamanavalli*</b> K. S. Katagi	2012-13 onwards
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### 16 a. Paper Presented in National Conferences: 47

S. No.	Date	Title of Conference, Institution & Place	Paper Title
47	October 28-29, 2025	Recent advances in Biological Chemistry. Dept. of Biochemistry. KU Dharwad.	Biosynthesis of titanium dioxide nanoparticles (TiO <sub>2</sub> NPs) using <i>Crotalaria pallida</i> leaf extract and evaluation of antibacterial and anticancer activity against HCT-116 and PANC-1 cell lines. Kirankumar M Irannanavar and <b>C. M. Kamanavalli.. National</b>
46	October 28-29, 2025.	Recent advances in Biological Chemistry. Dept. of Biochemistry. KU Dharwad.	Phytochemical mediated synthesis of ZnO and CuO nanoparticles from <i>Theobroma cacaoe</i> L. leaf extract: implications for anticancer therapeutics. Paramanna Bagappa Poojari, <b>Chandrappa Mukappa Kamanavalli*</b> .
45	October 28-29, 2025.	Recent advances in Biological Chemistry. Dept. of Biochemistry. KU Dharwad.	Synthesis, characterization and <i>In vitro</i> evaluation of Co <sup>3+</sup> -PEG- <i>Curcumin</i> nanoassemblies for cancer therapy. Praveen Veerappa Huyilagola and <b>C. M. Kamanavalli.</b>
44	July 17-18, 2025.	Molecules and Materials for Building a Better World. Dept of Chemistry K U Dharwad.	Phytochemical assisted synthesis of cerium oxide nanoparticles and their characterization. Sindhu S. Madinoor. Mehaboobsab j. Nadaf, Yashodha R. Meti, <b>C. M. Kamanavalli.</b>
43	July 17-18, 2025.	Molecules and Materials for Building a Better World. Dept of Chemistry K U Dharwad	Plant mediated cerium oxide nanoparticles; Exploring their potential across diverse fields. Priyanka V. T, Veena B. Mahantinamath, Abhishek A. Kurandwad, <b>C. M. Kamanavalli.</b>
42	July 15-16, 2025.	National Conference on Frontiers in Biotechnol, Microbial Technology & Nanotechnol.. Dept of Biotechnol and Microbiol. K U, Dharwad	Phyto fabricated nanotherapeutics: Iron oxide nanoparticles green synthesis and evaluation for multi-target biomedical applications. Praveen Veerappa Huyilagola and <b>C. M. Kamanavalli.</b>
41	January 24-25, 2024	NCCPB-2024. K. U. Dharwad.	Green synthesis of zinc oxide nanoparticles using <i>Punica granatum</i> leaf extract and study of photocatalytic degradation of azo dye. Parvati Biradar, Manisha Rajendra Mirjankar and <b>C. M. Kamanavalli.</b>
40	January 24-25, 2024	NCCPB-2024. K. U. Dharwad.	Green synthesized carbon quantum dots from chia seed extract exhibits antioxidant property and protects vital organs from oxidative damage. Vijaykumar Manjunatha, ChikkappaUdagani, Sujatha M. Hanumegowda, Devaraja Sannaningaiah and <b>Chandrappa M. Kamanavalli.</b>
39	January 24-25, 2024	NCCPB-2024. K. U. Dharwad	Inhibitory activities of natural plant extracts and phenolic compounds on partially purified <i>A. Bilimbi</i> polyphenoloxidase enzyme and its docking studies. Shruti

			Laad, Kirankumar M. Irannanavar and <b>C. M. Kamanavalli.</b>
38	January 24-25, 2024	NCCPB-2024. K. U. Dharwad	Screening of natural PPO inhibitor from <i>A. Carambola</i> fruit extract and its characterization. Shruti Laad, Praveen V. Huyilagola, Manisha R. Mirjankar, <b>Chandrappa M. Kamanavalli.</b>
37	January 24-25, 2024	NCCPB-2024. K. U. Dharwad	Biosynthesis and characterization of chromium oxide nanoparticles using <i>Simarouba Glauca</i> leaf extract and its antioxidant and angiogenic activity. Anjana Thatesh Gaddigal and <b>ChandrappaMukappaKamanavalli.</b>
36	January 24-25, 2024	NCCPB-2024. K. U. Dharwad	Synthesis and characterization of magnesium oxide nanoparticles using <i>Endocomia macrocoma</i> plant leaves and screening for its antibacterial activities. Parashuram Shivappa and <b>ChandrappaMukappaKamanavalli.</b>
35	January 24-25, 2024	NCCPB-2024. K. U. Dharwad	Green synthesis of silver-zinc oxide bimetallic nanocomposites using <i>Theobroma cacao</i> plant leaves. Paramanna Bhagappa Poojari and <b>C. M. Kamanavalli.</b>
34	August 21-23, 2023	NCTIHNFCs-2023. T. U. Tumkur.	Green synthesized carbon quantum dots from <i>Chia</i> seed extract exhibits antioxidant and anticoagulant properties. Vijaykumar Manjunatha, Chikappa Udagani, Sujatha M. Hanumegowda, Manjula M. Venkatappa, Shivakumar Venkataramaiah, <b>Chandrappa M. Kamanavalli</b> and Devaraja Sannanigaiah.
33	August 21-23, 2023	NCTIHNFCs-2023. T. U. Tumkur.	Investigating the conjugation of <i>Bromelain</i> and NiO nanoparticles for enhanced functionality. Harshita D, P. M. Sahanasree, Priyanka Kamari, Sapana Dodamani, Avinash B. G and <b>C. M. Kamanavalli.</b>
32	August 21-23, 2023	NCTIHNFCs-2023. T. U. Tumkur.	Green synthesis of cadmium nanoparticles using <i>Carica papaya</i> leaves. Soumya B. Chittaragi, Parvati N. Biradar, Tarkesh K. Giddamallannanavar, Falak Naaz M Nayak, Paramanna Poojari and <b>C. M. Kamanavalli.</b>
31	July 29-31, 2022	NCAIR-2022. University of Lucknow.	Biogenic synthesis of selenium nanoparticles, characterization and screening of therapeutic applications using <i>Averrhoa carambola</i> leaf extract. M. P. Ganeshkar, and <b>C. M. Kamanavalli.</b>
30	July 29-31, 2022	NCAIR-2022. University of Lucknow.	An evaluation on copper phytoremediation potential of water lettuce, <i>Pistia stratiotes</i> L. M. R. Mirjankar, S. V. Pattar and <b>C. M. Kamanavalli.</b>
29	25 <sup>th</sup> -27 <sup>th</sup> Nov, 2021	42 <sup>nd</sup> Annual Conference, IABMSCON-2021, CRL-KSHEMA AND NUCSER Nitte Mangalore.	Biological synthesis of cerium oxide nanoparticles using <i>Averrhoa carambola</i> leaf extract and screening it for anticancer properties. Madhu P. Ganeshkar and <b>Chandrappa M. Kamanavalli.</b>
28	March 10-11, 2018.	Karnatak Science College Dharwad. 33 <sup>th</sup> Annual Conference.	Validation of lisinopril and enalapril maleate by UV spectrophotometric method. Akanksha A. Kalal, Anuradha K. Bangari, Gousiya A. Hoolikatti, Rakesh S. Sureban, Manisha R. Mirjankar, Shridhar V. Pattar, Shruti D Laad and <b>Chandrappa M. Kamanavalli.</b>

27	March 10-11, 2018.	Karnatak Science College Dharwad. 33 <sup>th</sup> Annual Conference.	Effect of organic inhibitors on mushroom PPO and its immobilization. M. R. Mirjankar, S. V. Pattar, H. G. Premakshi and <b>C. M. Kamanavalli</b> .
26	March 7-8, 2018.	NSR. K. U. Dharwad.	Transgenic polyphenoloxidase enzyme beneficiary for plant defence and provide resistance against root knot nematode attack. Shruti Laad, H. G. Premakshi and <b>C. M. Kamanavalli</b> .
25	March 7-8, 2018.	NSR. K. U. Dharwad.	Isolation, partial purification and characterization of $\beta$ -galactosidase from bacteria. S. V. Pattar, M. R. Mirjankar, H. G. Premakshi and <b>C. M. Kamanavalli</b> .
24	Feb. 23-24, 2018	RTBT-2018. K. U. Dharwad.	Gene expression studies of Mumps in chronic Hepatitis B. S. V. Pattar, M. R. Mirjankar, H. G. Premakshi and <b>C. M. Kamanavalli</b> .
23	Feb. 23-24, 2018	RTBT-2018. K. U. Dharwad.	PPO play major role in self life of <i>Avocado</i> fruits. S. Laad and <b>C. M. Kamanavalli</b> .
22	Feb. 23-24, 2018	RTBT-2018. K. U. Dharwad.	Enhanced biodegradation of chlorpropham and its major products by immobilized cells of <i>Bacillus licheniformis</i> NKC-1. N. K. Pujar, H. G. Premakshi, S. Laad, S. V. Pattar, M. R. Mirjankar and <b>C. M. Kamanavalli</b> .
21	Nov. 16-19, 2017.	86 <sup>th</sup> Annual Meeting, SBC(I)-2017, J. N. University, New Delhi.	Biodegradation of chlorpropham and its major products by <i>Bacillus licheniformis</i> NKC-1. N. K. Pujar, H. G. Premakshi, S. Laad, S. V. Pattar, M. R. Mirjankar and <b>C. M. Kamanavalli</b> .
20	October 6-7, 2017.	BNP HC-2017 and SBC (I). Mangalore University.	Biodegradation of phenmedipham by novel <i>Ochrobactrum anthropi</i> NC-1. N. K. Pujar, H. G. Premakshi, S. Laad, S. V. Pattar, M. R. Mirjankar and <b>C. M. Kamanavalli</b> .
19	October 6-7, 2017.	BNP HC-2017 and SBC (I). Mangalore University.	Auto induction of polyphenol oxidase enzyme beneficial for plant response to pathogen infection. S. Laad, Premakshi H. G. and <b>C. M. Kamanavalli</b> .
18	. March 16-17, 2017	NCYR-2017. Goa University.	Kinetic study on plant polyphenol oxidase. S. Laad and <b>C. M. Kamanavalli</b> .
17	March 16-17, 2017.	FESA-2017. Periyar University, Salem.	Effect of organic inhibitors on <i>Solanum melongena</i> polyphenoloxidase and its immobilization using multi-walled carbon nanotubes. <b>C. M. Kamanavalli</b> , H. G. Premakshi and L. Shruti.
16	October 10-11, 2014.	PSCSTP-2014. K. U. Dharwad.	Microbial biodegradation of 2-aminobiphenyl. N. K. Pujar, H. G. Premakshi, and <b>C. M. Kamanavalli</b> .
15	Nov. 28-30, 2013.	ANCICC-2013. K. U. Dharwad.	Degradation of 4-chloroaniline by free and immobilized polyphenoloxidase from <i>Pleurotus ostreatus</i> NW423. Edalli V. A and <b>Kamanavalli C. M.</b>
14	Dec. 28-30, 2011.	30 <sup>th</sup> Annual Conference, ICC Agra Osmania, University Hyderabad.	Removal of 4-chloroaniline from waste water mushroom polyphenol oxidase. V. A. Edalli and <b>C. M. Kamanavalli</b> .
13	March	NCRTCR-2010, NIT	Biodegradation of aniline by mushroom polyphenol

	08-10, 2010.	Surathkal.	oxidase from <i>Plurotus</i> sps. V. A. Edalli and <b>C. M. Kamanavalli</b> .
12	Dec. 18-20, 2008.	SBC(I) Bangalore IIT Madras, 77 <sup>th</sup> Annual Meeting.	Dephenolization of <i>Pleurotus</i> species. <b>C. M. Kamanavalli</b> , V. A. Edalli and J. C. Kadakol.
11	Dec. 26-28, 2008.	ICC Agra, GKU Haridwar, 27 <sup>th</sup> annual Conference.	Degradation of ferulic acid via 4-vinyl guaiacol by <i>Stephylococcus sciuri</i> str. NT-7. <b>C. M. Kamanavalli</b> and J. C. Kadakol.
10	August 25, 2007.	IISc. Bangalore, NMR Research Centre IISc. Bangalore.	Synthesis and biological activities of some new fluorinated coumarins and 1-aza coumarins. <b>C. M. Kamanavalli</b> , R. G. Kalkhambkar, G. M. Kulkarni, N. Premkumar, Asdaq S. M. B and Chung Ming Sun.
9	Dec. 23-27, 2007.	ICS Calcutta, MGI Applied Sciences Jaipur, 44 <sup>th</sup> Annual Convention.	Metabolism of ferulic acid by <i>Pseudomonas</i> species. J. C. Kadakol, A. D. Kamath and <b>C. M. Kamanavalli</b> .
8	Nov. 21-24, 2004.	SBC(I), Bangalore G. B. Pant University Pantnagar,	Microbial degradation of carbofuran. <b>C. M. Kamanavalli</b> .
7	October 17-19, 2003.	ICC Agra, IIT Roorkee, 22 <sup>nd</sup> Annual Meeting.	Biodegradation of 4-chlorobenzoic acid by <i>Pseudomonas</i> species. <b>C. M. Kamanavalli</b> .
6	Dec. 14-16, 2002.	SBC(I), Bangalore Punjab Agri University Ludhiana, 71 <sup>st</sup> Annual Meeting.	Metabolism of 2-isopropoxy phenol. <b>C. M. Kamanavalli</b> and H. Z. Ninnekar.
5	Dec. 26-29, 2001.	ICS Calcutta, Jai Narayan Vyas University Jodhpur, 38 <sup>th</sup> Annual Convention.	Purification and properties of propoxur hydrolase from <i>Pseudomonas</i> species. <b>C.M. Kamanavalli</b> .
4	Nov. 15-18, 2000.	ICC Agra, University Hardawar, 37 <sup>th</sup> Annual Convention.	Biotransformation of DDT by <i>Pseudomonas</i> species. <b>C. M. Kamanavalli</b> and H. Z. Ninnekar.
3	Dec. 19-22, 1998.	SBC(I), Bangalore, J. N. University, New Delhi 66 <sup>th</sup> Annual Meeting.	Microbial degradation of carbamate pesticide. <b>C. M. Kamanavalli</b> and H. Z. Ninnekar.
2	Dec. 22-24, 1997.	SBC(I), Bangalore Andhra University Vishakhapatnam 66 <sup>th</sup> Annual Meeting.	Microbial degradation of DDT. <b>C. M. Kamanavalli</b> and H. Z. Ninnekar.
1	October 24-26, 1996.	ICC Agra, Aurangabad University Aurangabad, 1996.	Microbial biodegradation of carbamate pesticide propoxur. <b>C. M. Kamanavalli</b> and H. Z. Ninnekar,

## 16b. Paper Presented in International Conferences: 28

S. No	Date	Title of Conference, Institution & Place	Paper Title
28	Sept. 12-14, 2025.	International Conference on Nano Structured Materials and Nanocomposites. M. G. U. Kottayam, Kerala.	Biosynthesis of nickel oxide nanoparticles using ethnomedicinal plant <i>Crotalaria pallida</i> leaves extract: Evaluation of antibacterial, antioxidant, antiangiogenic, cytotoxicity and ROS expression against HCT-116 and PANC-1 cells. Kirankumar M Irannanavar and <b>C. M. Kamanavalli.</b>
27	March 6-8, 2025	12 <sup>th</sup> International Congress, Society of Ethnopharmacology, India.	Ethnomedicinal Plant Assisted Nickel oxide Nanoparticles (NiONPs) synthesis and characterization. Kirankumar M Irannanavar and <b>Chandrappa Mukappa Kamanavalli.</b>
26	March 6-8, 2025.	12 <sup>th</sup> International Congress, Society of Ethnopharmacology, India.	<i>Rauvolfia tetraphylla</i> plant assisted cobalt oxide nanoparticle synthesis and characterization. Praveen Veerappa Huyilagola and <b>Chandrappa Mukappa Kamanavalli.</b>
25	January 19-20, 2024	ICRTB-2024 MIT School of Bioengineering Science and Research, Pune.	Biosynthesis of copper oxide nanoparticles using <i>Simarouba glauca</i> leaf extract and screening for their antibacterial, antioxidant and anticancerous applications. Anjana Thatesh Gaddigal and <b>Chandrappa Mukappa Kamanavalli.</b>
24	January 19-20, 2024.	ICRTB-2024 MIT School of Bioengineering Science and Research, Pune.	Green synthesis of magnesium oxide nanoparticles and its biological applications. Parashuram Shivappa and <b>Chandrappa Mukappa Kamanavalli.</b>
23	January 19-20, 2024.	ICRTB-2024 MIT School of Bioengineering Science and Research, Pune.	Plant mediated synthesis of CuO-ZnO bimetallic nanocomposite using <i>Theobroma cacao</i> plant leaves, Paramanna Bhagappa Poojari and <b>Chandrappa Mukappa Kamanavalli.</b>
22	April 07-09, 2023.	ICAIR-2023. Science Tech Institute, Lucknow.	Synthesis and characterization of bismuth nanoparticles using <i>Endocoma macrocoma</i> leaves and screening for its antibacterial, antioxidant activity. S. Parashuram and <b>C. M. Kamanavalli.</b>
21	Nov. 18-19, 2022.	ICRAAHBSR-2022. Reva University Bengaluru.	Biocompatibility evaluation of synthesized Rut-PEG-CeO <sub>2</sub> NPs. Madhu P. Ganeshkar and <b>Chandrappa M. Kamanavalli.</b>
20	Nov. 18-19, 2022.	Reva University Bengaluru.	Synthesis and characterization of magnesium oxide nanoparticles <i>via</i> green sources and screening for its antibacterial activity, S. Parashuram and <b>C. M. Kamanavalli.</b>
19	Nov. 18-19, 2022.	ICRAAHBSR-2022. Reva University	Isolation, characterization and identification of endophytic bacteria from the roots of <i>Aloe barbadensis Miller</i> . Manisha

		Bengaluru.	R Mirjankar, Shridhar V Pattar and <b>Chandrappa M Kamanavalli.</b>
18	Nov. 18-19, 2022.	ICRAAHBSR-2022. Reva University, Bengaluru.	Biological synthesis and characterization of copper oxide nanoparticles for its antimicrobial activity. Anjana Thatesh Gaddigal and <b>Chandrappa Mukappa Kamanavalli.</b>
17	October 15-16, 2022.	ESDA-2022. University of Delhi.	Isolation, characterization and identification of endophytic bacteria from the roots of <i>Cynodon dactylon</i> (Bermuda grass). Manisha R. Mirjankar, Shridhar V. Pattar and <b>Chandrappa M. Kamanavalli.</b>
16	October 17-18, 2019.	ICRAAS-2019. Reva University, Bangalore.	<i>In silico</i> molecular docking analysis of selected natural compounds against aldehyde dehydrogenase-1A3. S. V. Pattar, M. R. Mirjankar, H. G. Premakshi and <b>C. M. Kamanavalli.</b>
15	October 17-18, 2019.	ICRAAS-2019. Reva University, Bangalore.	Partial purification and kinetic characterization of <i>Cinnamomum verum</i> polyphenoloxidase enzyme, S. Laad, N. K. Pujar, S. V. Pattar, M. R. Mirjankar, M. P. Ganeshkar, H. G. Premakshi, and <b>C. M. Kamanavalli.</b>
14	Feb. 20-23, 2019.	ICDDMAP-2019, K. U. Dharwad.	Effect of organic inhibitors on <i>Agaricus bisporus</i> polyphenoloxidase and its immobilization using multi-walled carbon nanotubes, <b>C. M. Kamanavalli</b> , H. G. Premakshi and L. Shruti.
13	October 20-22, 2016.	ISUMLNB and AICZ-2016. Davangere University.	Effect of organic inhibitors on mushroom polyphenoloxidase and its immobilization using multi-walled carbon nanotubes, <b>C. M. Kamanavalli</b> , H. G. Premakshi and L. Shruti.
12	Dec. 7-10, 2015.	ICNN-2015. K. S. Rangasamy College of Technology, Tiruchengoda (TN).	Effect of silver nanoparticles on biodegradation of isopropoxyphenol by free and immobilized cells of <i>Klebsiella 15neumonia</i> strain CKJ. <b>C. M. Kamanavalli</b> , H. G. Premakshi, J. C. Kadakol and N. K. Pujar.
11	October 28-31, 2015.	ICDDMAP-2015. K. U. Dharwad.	Enhanced degradation of 4-aminobiphenyl by immobilized cells of <i>Bacillus sonorensis</i> strain CKP. N. K. Pujar, H. G. Premakshi, and <b>C. M. Kamanavalli.</b>
10	February 26-28, 2015.	ICBCRH-2015. Davangere University.	Biodegradation of 2-aminobiphenyl by free and immobilized cells of <i>Klebsiella 15neumonia</i> strain. N. K. Pujar, H. G. Premakshi, and <b>C. M. Kamanavalli.</b>
9	March 10-12, 2014.	ICMCT-2014. VIT University.	Degradation of aniline by free and immobilized polyphenoloxidase from <i>Pleurotus ostreatus</i> NW423. Edalli V. A, Premakshi H. G and <b>Kamanavalli C. M.</b>
8	January 18-19, 2013.	MFMC Sastra University Thanjaur.	Biodegradation of aniline by mushroom polyphenol oxidase. V. A. Edalli and <b>C. M. Kamanavalli.</b>
7	June 11-15, 2011.	ICC AgraBangkok.	Biotransformation of aniline and phenol by immobilized mushroom polyphenol oxidase. V. A. Edalli and <b>C. M. Kamanavalli.</b>
6	July 29-31, 2010.	ISCAP Tirupati, Bangalore University, Bangalore.	Enzymatic biodegradation of aniline and phenol V. A. Edalli and <b>C. M. Kamanavalli.</b>

5	Dec. 02-06, 2009.	ICS Calcutta, VIT Vellore (TN), 46 <sup>th</sup> Annual Convention.	Biodegradation of carbofuran-7-phenol by <i>Pseudomonas</i> species. <b>C. M. Kamanavalli</b> and J. C. Kadakol.
4	Nov. 23-27, 2008.	ICS Calcutta, Karnatak University Dharwad, 45 <sup>th</sup> annual Convention.	Dephenolization of industrial waste water by polyphenol oxidase enzyme. V. A. Edalli and <b>C. M. Kamanavalli</b> .
3	Nov. 23-27, 2008.	ICS Calcutta, Karnatak University Dharwad, 45 <sup>th</sup> Annual Convention.	Metabolism of vanillin by <i>Stephylococcus sciuri</i> str. NT-7. <b>C. M. Kamanavalli</b> and J. C. Kadakol.
2	February 22-23, 2007.	DST, CSIR, TNSCST and NCSTC, Vellalar College for Women Erode (TN).	Isolation and characterization of an N-methylcarbamate insecticides degrading bacterium. <b>C. M. Kamanavalli</b> .
1	Dec. 11-16, 1999.	ICC Agra, Annual Convention of Chemists at Calcutta, 36 <sup>th</sup> Annual Convention.	Biodegradation of carbamate pesticide. <b>C. M. Kamanavalli</b> and H. Z. Ninnekar,

### 17. Awards in National and International Conferences

Sl. No	Conference	Title and Author	Award	Date and Place
12.	Recent advances in Biological Chemistry.	Biosynthesis of TiO <sub>2</sub> NPs using <i>Crotalaria pallida</i> leaf extract and evaluation of antibacterial and anticancer activity against HCT-116 and PANC-1 Cell lines. <b>Kirankumar M Irannavar</b> and <b>C. M. Kamanavalli</b> .	Best Poster	28th-29th, October, 2025 Dept of Biochemistry. KU Dharwad.
11.	Recent advances in Biological Chemistry.	Phytochemical mediated synthesis of ZnO and CuO nanoparticles from <i>Theobroma cacao</i> L. leaf extract: implications for anticancer therapeutics. <b>Paramanna Bagappa Poojari</b> and <b>Chandrappa Mukappa Kamanavalli*</b> .	Best Poster	28th-29th, October, 2025 Dept of Biochemistry. KU Dharwad.
10.	Recent advances in Biological Chemistry.	Synthesis, characterization and <i>in vitro</i> evaluation of Co <sup>3+</sup> -PEG-Curcumin nanoassemblies for cancer therapy. <b>Praveen V. Huyilagola</b> and <b>Chandrappa Mukappa Kamanavalli</b> .	Best Oral	28th-29th, October, 2025 Dept of Biochemistry. KU Dharwad.
9.	5 <sup>th</sup> Edition of Health Scientist Awards	Exploring the biological properties of ZnO & CuO based Nanoparticles prepared from <i>Theobroma cacao</i> leaf extract: A promising approach for nanomedicine. <b>Paramanna Bagappa</b>	Best Researcher Award	26 <sup>th</sup> & 27 <sup>th</sup> Sept 2025, Scifax Company Group (Reg No. 159522) Mumbai

		<b>Poojari and Chandrappa Mukappa Kamanavalli*.</b>		
8.	International Conference on Nano Structured materials and Nanocomposites	International Conference on Nano Structured materials and Nanocomposites, <b>Praveen V. Huyilagola and Chandrappa Mukappa Kamanavalli</b>	Best Poster	6 <sup>th</sup> to 8 <sup>th</sup> , March 2025, KLE Pharmacy College, Belagavi
7.	International Conference on Nano Structured materials and Nanocomposites	Biosynthesis of NiO Nps using ethno medicinal plant <i>Crotalaria pallida</i> leaves extract: Evaluation of antibacterial, antioxidant, antiangiogenic, cytotoxicity and ROS expression against HCT-116 and PANC-1 cells. <b>Kiran M. Irannanavar and Chandrappa Mukappa Kamanavalli</b>	Best Oral Presentation	6 <sup>th</sup> to 8 <sup>th</sup> , March 2025, KLE Pharmacy College, Belagavi
6.	National Conference on Current Progress in Biochemsitry-2024.	Screening of natural PPO inhibitor from <i>A. Carambola</i> fruit extract and its characterization, Shruti Laad, Praveen Veerappa Huyilagola1, <b>Manisha R. Mirjankar and Chandrappa Mukappa Kamanavalli</b>	Best Poster	January 24-25, 2024 K U Dharwad
5.	National Conference on TIHNFCs -2023	Investigating the conjugation of <i>Bromelain</i> and NiO nanoparticles for enhanced functionality. <b>Harshita D, P. M. Sahanasree, Priyanka Kamari, Sapana Dodamani, Avinash B. G, and C. M. Kamanavalli</b>	Best Poster	August 21-23, 2023 Tumkur University, Tumkur
4.	Internationl Conference on RAAHBS R-2022	Biological synthesis and characterization of copper oxide nanoparticles for its antimicrobial activity, <b>Anjana Thatesh Gaddigal and Chandrappa Mukappa Kamanavalli</b>	Best Poster	November 18-19, 2022 Reva University Bengaluru
3.	National Conference on FESA-2017	Effect of organic inhibitors on <i>Solanum melongena</i> PPO and its immobilization using multi-walled carbon nanotubes, <b>C. M. Kamanavalli</b> , H.G.Premakshi, L. Shruti	First Prize in Oral Presentation	March 16-17, 2017 Periyar University, Salem
2.	NCRTCR	Biodegradation of aniline by mushroom polyphenoloxidase from <i>Pleurotus Spieces</i> , <b>V. A. Edalli and C. M. Kamanavalli*</b>	First Prize in Oral Presentation	-2010, NITK, Surthkal.
1.	45 <sup>th</sup> Annual Convention of Chemists and International Conference	Dephenolisation of industrial waste water by polyphenoloxidase enzyme, <b>V. A. Edalli and C. M. Kamanavalli*</b>	Annapurna Sathynarayana Memorial Award	23-27, 2008, K. U. Dharwad

## 18. Foreign- Research Paper Presented in International Conference at Bangkok

Sl.No.	Event	Organizer	From - To
1.	International Conference on Global Challenges- The Role of Chemistry in giving their Solutions,	Indian Council of Chemist (Agra) International Year of Chemistry (Chemistry- Our Life Our Future)	12 <sup>th</sup> June, 2011 to 14 <sup>th</sup> June, 2011

## 19. Life Member in Accademic/Professional Bodies

Sl. No.	Institute	Life Member No.
1.	SBC (I), Bangalore.	1770
2.	IACT (TIFR) Bombay.	465
3.	ICC, Agra.	1501

## 20. Seminar/Webinar/Workshop Organized

Sl. No	Topic	Sem/Confe/ Web/Symp	National/ International	Date	Place	Positions
11	National Conferences on Mathematical Sciences & their Applications	Conference	National	10 & 11 <sup>th</sup> April, 2026	K. U. Dharwad	Convener
10	Recent advances in Biological Chemistry	Conference	National Level	28th-29th, October, 2025	K. U. Dharwad	Co-convener
9.	Recent Advances in Biological Sciences-2025	Symposium	National Level	7 <sup>th</sup> February, 2025	K. U. Dharwad	Co-convener
8.	Current Progress in Biochemistry-2024	Conference	National Level	24 to 25 January, 2024	K. U. Dharwad	Convener
7.	Recent Advance in Biochemistry-2021	Seminar	State Level	23-03-2021	K. U. Dharwad	Organizing Secretary
6.	Recent Trends and Challenges in Neuro Immunology	Webinar	International Level	10 to 13 August, 2020	K. U. Dharwad	Organizing Secretary
5.	Current Scenario in Biochemistry-2020	Seminar	State Level	24-01-2020	K. U. Dharwad	President and Convener
4.	Recent Advances in Biochemistry-2019	Seminar	State Level	27-03-2019	K. U. Dharwad	President and Convener
3.	Celebration of International Year of Chemistry-2011 Chemistry- Our Life,	Conference	State Level	15-10-2011	K Sc C Dharwad	Member

	Our Future					
2.	One Day Biotechnology Workshop for UG College Teachers.	Workshop	State Level	08-09-2007	K Sc C Dharwad	Member
1.	CHEM- FORUM for UG College Teachers.	Workshop	State Level	29-01-2006	K Sc C Dharwad	Member

### 21a. Refresher Courses, Short Term Courses Attended

Sl. No.	Event	Organizer / Place	Period/Duration
6.	Motivational Workshop	K. U. Dharwad	05 days 09-11-2010 to 13-11-2010
5.	Refresher Courses	Karnatak University, Dharwad	21 days 01-02-2005 to 21-02-2005
4.	Refresher Courses	Kuvempu University, Shimoga	21 days 09-02-2004 to 03-03-2004
3.	Orientation Programme	Central University, Hyderabad.	28 days 04-01-1999 to 30-01-1999
2.	Refresher Courses	Karnatak University, Dharwad	21 Days 18-11-1998 to 08-12-1998
1.	Short Term Course on Operation, Maintenance and Calibration of Analytical Instruments	K. U. Dharwad & University of Mumbai.	06 days 07-09-1998 to 12-09-1998

### 21b. Workshops, Seminars & Trainings

Sl. No.	Events
21.	One Day National Seminar on Recent Trends in Environmental Biotechnology and Sustainable Energy, K. U. Dharwad, 10th August, <b>2015</b> .
20.	Applications of Chemistry, G. H. College, Haveri, 03-03- <b>2013</b> .
19.	Basics of Spectroscopy, J. S. S. College, Dharwad, 09-10 Mar, <b>2013</b> .
18.	Workshop on Curriculum Revision in Chemistry(UG), P. G. Dept of Chemistry, K. U. Dharwad, 07-01- <b>2012</b> .
17.	International Year of Chemistry-2011, VGST, Bangalore and Karnatak Science College, Dharwad, 15-10- <b>2011</b> .
16.	Teaching Ethics, Kittel College, Dharwad, 03-04 - <b>2011</b> .
15.	VGST Inter University Subject Wise Meeting of Life Sciences, VGST, DST meeting K. U. Dharwad, 19-20 Feb, <b>2010</b> .
14.	Recent Advances in Chemistry, P. G. Dept of Chemistry, K. U. Dharwad, 18-03- <b>2010</b> .
13.	19 <sup>th</sup> Annual Convention of Chem-Forum 2009-2010, S. D.M. College of Arts, Science, Commerce and Business Administration, Honnavar, Uttara Kannada, 4 <sup>th</sup> April, <b>2010</b> .
12.	Invasive Alien Species, Govt. of Karnataka and P. G. Dept of Applied Genetics, K. U. Dharwad, 25-05- <b>2009</b> .

11.	Recent Trends in Chemistry, P. G. Dept of Chemistry, K. U. Dharwad, 18-02-2008.
10.	Workshop on Personality Development, Career Guidance and Communication Skills, K.U. Dharwad and Karnatak Science College, Dharwad, 20-03-2007.
9.	Workshop on New syllabi in Practicals for Chemistry Teachers, Karnatak Science College, Dharwad, 28-07-2007.
8.	Workshop on DNA Finger Printing and GTP Cloning Bioinformatics and Drug Designing Genetically Modified Organisms, Dept of Chemistry and Biotechnology, Karnatak Science College, Dharwad, 08-09-2007.
7.	National Workshop on Green Chemistry, Osmania University, Hyderabad, 24-25 Jan, 2006.
6.	15 <sup>th</sup> Annual Convention of Chemists, Karnatak Science College, Dharwad, 29-01-2006.
5.	Atomic Energy for Development of the Nation, Indian Nuclear Society and Karnatak Science College, Dharwad, 02-09-2006.
4.	Intellectual Property Rights Awareness Programme, University College of Law, Dharwad. CEERA, National Law School of India University, Bangalore, 08-01-2005
3.	Biodiversity and its Conservation, G. H. College, Haveri, 28-29 July, 2005.
2.	Biotechnology Workshop, K. U. Dharwad, 06-08-2005.
1.	Environmental Law Sensitization Programme, University College of Law, Dharwad, CEERA, National Law School of India University, Bangalore, 07-08 Jun, 2003.

## 22. Subject Taught

1	<b>Under Graduate</b>	Microbiology, Biotechnology, Applied Genetics and Biochemistry
2	<b>Post Graduate</b>	M. Sc. Organic Chemistry 2009 to 2013

## 23. Extension Activities

Pesticide Awareness Programme Conducted on 24-03-2007 at Kanavi-Honnapura Village, Dharwad (Tq and Dist).
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