KUVEMPU UNIVERSITY

Prof.K.M.Mahadevan, M.Sc., CSIR-UGC-NET, Ph.D., Post Doc. (South Korea).

Prof.K.M.Mahadevan obtained M.Sc. degree from the University of Mysore in 1997 with distinction and cleared CSIR-JRF in the same year.He was a research fellow at CFTRI, Mysore in 1998. He was appointed as lecturer at Kuvempu University in 1998 and obtained Ph.D., degree from Kuvempu University in 2003. He carried out post-doctoral research at **Korean Research Institute of Chemical Technology, South Korea, under Brain Pool Fellowship in 2010** and he was a visiting scientist at University of Sunderland, **London, UK.** Since, 1998 he worked as Assistant Professor, Associate Professor, and in 2013 became a professor and served as Head, Department of Chemistry, BOS Chairman, BOE Chairman, Co-ordinator for Distance Education, Faculty Advisor and also a Director for Post Graduate Centre at Kadur and Chikkamagalur of Kuvempu University. He served as **Registrar (Evaluation) at University of Mysore, Registrar Administration at Mysore University and Registrar (Evaluation) at Karnataka State Open University Mysore.**

He also served as Director of Distance Education, Director for Online and Outreach Programmes and Coordinator for Chief Minister Kaushalya Karnataka Yojane at University of Mysore **Also Served as Director for Distance Education at Kuvempu University. And presently working as Registrar (Evaluation) at University of Mysore from 29th March to 15 March 2024 till date. Also working as Registrar (Evaluation) at Music University, Mysore from 19th October to 15th March 2024.**

His research interest includes synthetic chemistry and medicinal chemistry. He was bestowed with Distinguished Industrial Research Scientist Award by Bio-Organic and Applied Material Pvt. Ltd., Bangalore and also "**Mid Career**" prestigious Award by UGC, New Delhi in **2019** in recognition of his research contribution in the field of chemistry. He has published more than **250** research papers with highest Impact factor (IF=**19.2** for his research on OLED Device) and edited **14** books. He has guided **52** students for their Ph.D degree and guided **2** M.Phil degrees. He has been a Scientific Advisory Board Member of Bio -Organics and Applied Material Pvt. Ltd., Bangalore. He has completed over **5** research projects funded by DBT, DST, CSIR and UGC. Research in identification of new drugs for malaria and tuberculosis in collaboration with CDRI-Lucknow, and investigation of new OLED materials funded by **DST** and Vision Group on Science and Technology, (**VGST**) Karnataka State are in progress. Some of his research investigations have become the part of the text books at the higher education level published in foreign text books attributes to high quality research work being done in his lab.

Citation indices	All	Since 2018
Citations	3475	1442
h-index	29	17
i10-index	108	45

KUVEMPU UNIVERSITY

Dr. K.M.Mahadevan, M.Sc., Ph.D., Post Doc.(South Korea).

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POSITIONS AND EMPLOYMENT

Date of joining into service as lecturer :13-5-1998
Associate Professor :13-5-2010 TO 13-5-2013
Professor :13-5-2013 to till date
Director at Kuvempu University : 2012 to 2019
Registrar (Evaluation) at UOM : 20-2-2019 to 23-12-2020
Registrar (Evaluation) at KSOU : 1-2-2021 to 19-9-2021
Director for Distance Education at Kuvempu Unversity : 8-02-2-23 to 28-03 2023
Registrar (Evaluation) at UOM date : 29-03-2023 to 15-03-2024
Registrar (Evaluation) at Music University: 19-10-2023 to 15-03-2024

ADMINISTRATIVE EXPERIENCE :

Sl. No.	University/ Department	Position held*	Period
1	Kuvempu University, P G Centre, Kadur	Director	March 2012 to till date
2	P.G. Boys Hostel, Kuvempu University, Shankaraghatta	Staff Adviser	2006 to 2008
3	Directorate of Distance Education Kuvempu University	Coordinator	2006 to 2008
4	Post graduate Department of Chemistry	Head of the department	2012 to till date
5	**Registrar (Evaluation)**	University of Mysore	**20-2-2019 to 23-12-2020**
6	**Director of Distance Education**	University of Mysore	**22-01-2020 to 23-12-2020**

7	**Director of Online and Outreach Programes**	University of Mysore	**22-01-2020 to 23-12-2020**
8	**Coordinator for Chief Minister KaushalyaKarnataka Yojane**	University of Mysore	**29-01-2020 to 23-12-2020**
9	**Registrar (Evaluation)**	KSOU Mysore	**1-2-2021 to 19-9-2021**
10	**Director for Distance Education**	**Kuvempu Unversity**	**8-02-2-23 to 28-03 2023**
11	**Registrar (Evaluation)**	University of Mysore	**29-3-2023 to 15-03-2024**
12	**Registrar (Evaluation)**	Music University Mysore	**19-10-2023 to 15-03-2024**

RESEARCH POSITIONS HELD

Scientific Adviser (2005 to till date) **:** 1) BioOrganics and Applied Material Pvt. Ltd.Bangalore, Karnataka, INDIA
2) Suman Laboratories,Shivamogga
3)Azyme Bioscience.Pvt.Ltd.,Jayanagar, Bangalore

ACADEMIC QUALIFICATION

Sl. No.	Examinations passed with relevant Degree	University/ Institution	Month & Year	Class Obtained	Subject
1	B.Sc.	Mysore	April 1995	I	Phys., Chem., Maths.
2	M.Sc.	Mysore	May 1997	I	Organic Chemistry
3	Ph.D.	Kuvempu	Aug 2003	-	Chemistry
4	CSIR-UGC-NET	CSIR-UGC	June 1997	JRF-CSIR	Chemical Sciences
5	Post Doctoral Research	KRICT-South Korea	2010	-	Organic Solar Cell Research

FOREIGN VISIT

- Visited University of Sunderland UK as visiting Scientist in March 2010

POST DOCTORAL FELLOW

- Worked as Post Doctoral Fellow in Brain Pool Fellowship program at KRICT, South Korea, from October to December 2010.

EDITORIAL BOARD MEMBER

- Editorial Advisory Board Member of the journal entitled "The Open Catalysis Journal" *Bentham Open*
- Life member to Indian Council of Chemist

AWARDS

- CSIR - Fellowship in Chemical Science-1997
- Distinguished Industrial Scientist Award-2007

BOOKS PUBLISHED

1) How to Prepare for Joint CSIR-UGC / NET / JRF / GATE in Chemical Sciences (Published-2003)
2) Organic Chemistry III (Published-2004)
3) Organic Chemistry IV (Published-2005)
4) Practical Organic Chemistry (Published-2005)
5) Applied Chemistry (Published-2007)
6) Basic Principles of 1D and 2D ^{1}H NMR Spectroscopy of Organic Compounds, (Publisher: College Book House, ISBN No 978-93-819790-5-1) (Published-2012)
7) Synthesis, Fluorescence and Liquid Crystal Properties of Coumarins, ISBN No 978-3-659-29843-1 (Published-2013)
8) Organic Stereochemistry: Terms, Definitions and Applications (Publisher: College Book House, ISBN No 978-93-819796-4-8) (Published-2015)
9) **Special Topics in Organic Chemistry:** ***Deals with Concise Terms & Definitions with Illustrative Examples***(Publisher: College Book House, ISBN No 978-93-819796-4-8) (Published-2019)
10) **Comprehensive Organic Spectroscopy:** ***An Approach for Quick Learning of Organic Structures***(Publisher: College Book House, ISBN No 978-93-819796-4-8) (Published-2019)
11) **1D and 2D NMR Spectroscopy:** ***Terms and Definitions with Illustrative Examples for Quick Learning of 2D NMR Techniques***(Publisher: College Book House, ISBN No 978-93-819796-4-8) (Published-2019)
12) **A Concise Organic Stereochemistry:*****Deals with Concise Terms & Definitions with Illustrative Examples*** (Publisher: College Book House, ISBN No 978-93-819796-4-8) (Published-2019)
13) **CHEMISTRY OF HETEROCYCLIC COMPOUNDS** (Publisher: **NOTION PRESS**, ISBN No. 9781636064550, Published ON **2020**)
14) **REDUCTION AND OXIDATION** (Publisher: **NOTION PRESS**, ISBN No. 9781638507734, Published ON **2021**)

BOOK CHAPTERS PUBLISHED

- **Application of Nano-Sized Metal Oxides in the Degradation of Azo Dyes: AReview**
  K.Yogendra, **K.M.Mahadevan**, Suneel SeetharamNaik and N.Madhusudhana, Collection of Lectures delivered at the seminar on Discovery and applications of innovative materials 13th November 2012 Page no 78-97. ISBN: 978-81-923301-5-0
  Published by Karnataka State Higher Education Council

RESEARCH WORK CITED IN FOREIGN TEXT BOOKS

1) **Title of text book: Multicomponent Reactions Vol. 1: General Discussion Involving carbonyl comopound as elecrtophilic component.**
   Authors-Thomas J. J.Müller-**2015, Thieme publication.**

   a) Srinivasa, **K.M.Mahadevan** and Vijaykumar Hulikal, Imino *Diels-Alder* Reactions: Efficient Synthesis of 2-Aryl-4-(2'-oxopyrrolidinyl-1')-1,2,3,4-tetrahydroquinolines catalyzed by Antimony (III) Sulphate. *Monatsh. Chem.,*2008, 139, 255-259.

   b) P.Prabhakara Varma, Bailure S Sherigara,**K.M.Mahadevan**, and Vijaykumar Hulikal. Mild and a Simple Access to Diverse 4-Amino substituted2-phenyl-1,2,3,4-tetrahydroquinolines and 2-phenylquinolines Based on a Multi Component Imino Diels-Alder Reaction. *Synth. Commun.,*2010, *40*, 2220-2231.

2) **Title of text book: Progress in Heterocyclic Chemistry, Volume 22 Authors- Gordon W.Gribble, John A. Joule-2010**, **Elsevier Publication**
   Sudhakara, H.Jayadevappa,**K.M.Mahadevan** and Vijaykumar Hulikal.
   Efficient Synthesis of 2-Ethoxycarbonyl Indoles. *Synth. Commun.,* 2009, 39: 2506-2515.

3) **Title of the book: Multicomponent Reactions: Concepts and Applications for Design and Synthesis**
   Authors-Raquel P. Herrera, Eugenia Marques-L, pez-**2015**,**Wiley Publication**

   Eranna Siddalingamurthy,**Kittappa M.Mahadevan**, and Tamatakallu O. Shrungesh Kumar.
   Choline chloride/Urea Ionic Liquid Catalyzed a Convenient One-Pot Synthesis of Indole-3-Propanamide Derivatives. *Synth. Commun.,*2013, 43, 3153-3162

4) **Title of the book:Arene Chemistry: Reaction Mechanisms and Methods for Aromatic Compounds**
Authors-Jacques Mortier-**2015, Wiley publication,**
Siddalingamurthy, **K. M. Mahadevan**, J. N. Masagalli, H. N. Harishkumar, Tetrahedron Lett. 2013, 54, 5591–5596.

5) **Title of the book: Indole Ring Synthesis: from Natural Products to Drug Discovery**
By Gordon W. Gribble – 2016, **Wiley,** publication.
a) P.P. Varma, B.S. Sherigara, **K.M. Mahadevan**, and V. Halikal, Synth. Commun., 2009, 39, 158 –165.
b) A. Sudhakara, H. Jayadevappa, **K.M. Mahadevan**, and V. Hulikal, 108 Indole Ring Synthesis References.

6) **Title of the book: Science of Synthesis: Multicomponent Reactions Vol. 1: General Discussion and Reactions Involving a Carbonyl Compound as Electrophilic Component.**
By Maria Jose Arevalo Caballero, Muhammed Ayaz, Luca Banfi, Andrea Basso, Luca Bernardi-2014, **Thieme- Publication.**
a) Srinivasa, **K. M. Mahadevan** and Vijaykumar Hulikal, Imino *Diels-Alder* Reactions: Efficient Synthesis of 2-Aryl-4-(2'-oxopyrrolidinyl-1')-1,2,3,4-tetrahydroquinolines catalyzed by Antimony (III) Sulphate. *Monatsh. Chem.,*2008, 139, 255-259.

b) P. Prabhakara Varma, Bailure S Sherigara,**K. M. Mahadevan**, and Vijaykumar Hulikal. Mild and a Simple Access to Diverse 4-Amino substituted 2-phenyl-1,2,3,4-tetrahydroquinolines and 2-phenylquinolines Based on a Multi Component Imino Diels-Alder Reaction. *Synth. Commun.,*2010, *40*, 2220-2231.

RESEARCH INTERESTS

15) Synthetic Organic Chemistry
16) Medicinal Plant Chemistry
17) Environmental Chemistry

RESEARCH ACTIVITIES

18) Research Publication in peer review National and International Journals : more than 257*
19) Papers Presented in Seminars/Symposia/ Conferences in India and Abroad : 104*

RESEARCH GUIDANCE

- Number of Ph. D guided : 52*(guide-23, coguide-29)
- Number of M.Phil guided : 2

RESEARCH COLLABORATION

- Bio Organics and Applied Material Pvt Ltd. Bangalore, Karnataka, INDIA
- Dept of Physics Tumkur University
- Dept of Physics University of Mysore

RESEARCH INTERESTS

- Material Science (OLED, SOLAR CELLS, FORENSIC SCIENCE, AIE.)

INTERNATIONAL COLLABORATIONS

- Prof. Ding. Ya. Yang and Dr. Kiran B. Manjappa.
  Department of chemistry, Tunghai University, Taiwan.
- Prof. Minoru Yamaji.
  Department of Chemistry and Chemical Biology, Gunma University, Japan.
- Prof. Chinnna Bathula,
  Dept of Donguk University-Seoul, Seoul, South Korea.

RESEARCH PROJECTS:

Sl. No	Principal Investigator (Mention if Co-Investigator)	Title	Supporting Agency (Foreign/India/ Govt./ University/ Private/ Self. specify)	Year	Amount (in rupees)
1	Principal Investigator	Synthesis of new anti fertility agents and their testing on albino rats.	Kuvempu University	2002 Completed	Rs. 0.35 Lakh
2	Co-investigator	Vermi composting Biotechnology for Socio Economic Development of Rural SC/ST and Weaker Sections in Shimoga District, Karnataka.	DBT New Delhi India	2006 Completed	Rs. 14 Lakh
3	Co-Investigator	Amino Acid Derived Biomedical Polymers: Synthesis, Characterization, Kinetics and Drug Release Studies	UGC New Delhi	2006 Completed	Rs. 6 Lakhs
4	Principal Investigator	"Investigation of some medicinal plants for anticancer activity"	Kuvempu University	2007 Completed	Rs 0.38Lakhs
5	Principal Investigator	Phyto chemical investigation and anticancer activity of some Potential medicinal plants in western ghat of Karnataka	UGC New Delhi	2009 Completed	Rs 4.39 Lakhs
6	Principal Investigator	Tetrahydroquinolines a possible antituber-cular agents for OSDD	CSIR-Central Drug Research Institute Lucknow(CDRI)	2012 (On going)	Rs 5.50 Lakhs
7	Principal Investigator	Synthesis of Coumarin Dyes with Different Acceptors and Spacers for Generating Novel Organic Dye-Sensitized Solar Cells	DST-SERB	2013 (On going)	Rs 12 Lakhs
8	Principal Investigator	Investigation of new OLED materials	**VGST-Karnataka**	2020 - 2023	Rs 30 Lakhs

RESEARCH GUIDANCE DETAIL (PH.D.): GUIDED

Sl. No	Name of Students	Partti me/ /Full time	Subject	Year of Reg.	Year of Award
1	B.M.Kiran	Full Time	Studies on Novel Condensed Nitrogen Heterocycles of PharmaceuticalImportance	2004	2007
2	D.B.Aruna Kumar	Full Time	Studies on Novel Heterocyclic Compounds Encompassing Furan Nucleus of Biological Importance	2004	2007
3	G.K.Nagaraja	Part Time	Studies on Nitrogen Heterocycles Fused with Furan of Biological Importance	2004	2007
4	G.K.Prakash	Full Time	Development of novel route for the Chemical modification of wood surfaces and their weathering performance	2005	2008
5	Y.S.Ravikumar	Full Time	Investigation of some medicinal Plants for anticancer activity	2005	2008
6	A.Srinivasa	Full Time	Study on imino Diels-Alder reaction: a potential approach towards the quinolines	2005	2008
7	Prasanna V. Habbu	Part Time	Investigation Of Novel Quinoline Heterocycles And Some Selected Medicinal Plants For Various Pharmacological Activities	2006	2009
8	Rajesh Shastri	Part Time	Investigation of Benzofuran Heterocycles and Some Selected Medicinal Plants for Hepatoprotective and Antioxidant Activities	2006	2009
9	Bindu P J	Full time	Novel approach for the synthesis of quinolines of biological importance	2007	2012
10	Harishkumar H N	Part time	Synthetic studies on coumarins coupled with nitrogen and sulphur Heterocycles	2008	2013
11	Kiran Kumar H C	Full time	An efficient synthesis of tetrahydroquinolines from a multicomponent imino Diels-Alder reaction	2010	2015
12	N. M. Jagadeeshwara	Full time	Synthetic studies on some bioactive indoles	2010	2015

13	Siddalingamurthy E	Part time	Studies on development of new protocols for the synthesis of indole heterocycles	2009	2015
14	Shrungesh Kumar T.O	Full time	Studies on multicomponent reaction: An approach to expedite synthesis of nitrogen heterocyclic compounds	2010	2015
15	Pradeep P. S	Part time	Studies on cycloaddition reactions: An approach to synthesise N-Heterocycles	2009	2016
16	Anilkumar R.	Full time	Synthesis and Biological Significance of Bis-Indoles	2015	2018
17	Vijetha Rajshekar Shetty	Part time	Investigation of various organic electrode materials for rechargeable lithium ion batteries.	2015	2020
18	Rangaswami P	Part time	Synthesis of fluorophasphate electrode materials for rechargeable Lithium and Sodium ion Batteries.	2015	2020
19	Srinivas. M.	Part time	Synthesis of promising push-pull organic dyes for dye-sensitized solar cells	2014	2020
20	Nagaveni V. B.	Part time	Synthesis and spectral studies on novel Organic fluorescent dyes	2014	2020
21	Shashikant Walki	Fullti me	Synthesis of some novel dyes for dye-sensitized solar cells applications	2015	2021
22	Ravindra M. K.	Full time	Design and synthesis of novel Organic compounds for OLED applications	2016	2021
23	Naveenkumar	Full time	Synthesis of novel organic Phosphorescent compounds for OLED applications	2016	2021

RESEARCH CO-GUIDANCE DETAIL (PH.D.): GUIDED

Sl. No.	Name of Students	Part time/ Full time	Subject	Year of Reg.	Year of Award
1	B.P.Nandeshwarappa	Full Time	Studies on Novel Condensed Heterocyclic Compounds: Condensed Quinolines	2003	2006

2	T.R.Shashishaker	Full Time	Studies on Paper and Pulp Industrial Effluents	2003	2006
3	Prakash Naik	Full Time	Studies on Textile Industrial Effluents.	2004	2007
4	M.C.Prabhakara	Full Time	Studies on synthesis, DNAbinding, oxidative andphoto nuclease activity of heterocyclic novel ligands andtheir transition metal complexes	2005	2007
5	Vijay Kumar. S	Full Time	Synthesis and Characterization of Polyurethanes and N-Vinyl pyrrolidonePolymer as Biomaterials	2006	2008
6	Rajashekar. H	Full Time	Investigation of Biheterocyclic and condensed heterocyclic compounds encompassing furon nucleus and selected some medicinal plants for various pharmacological activities	2006	2008
7	Mallikarjuna H. R	Full Time	Synthesis and characterization of some novel azo dyes.	2004	2009
8	Suresha Kumar T. H	Full Time	Synthesis and evalution of chemotherapeutic values of quinolines and benzothipene derivatives.	2006	2009
9	Swetha S	Full Time	Vermicomposting technology transfer in agriculture for soil fertility improvement and economic sustainability.	2006	2009
10	Shiva Prasad P	Part Time	Conjunctive use of coffee effluent and pure water on performance of coffee	2006	2010
11	Rajesha	Full Time	Synthetic studies on coumarins of biological importance	2007	2010
12	Sudhakara A	Full Time	A Novel Approach Towards the Synthesis of Indoles	2006	2010
13	Prabhakara Varma P	Full Time	Studies On Catalytic Application Of Certain Protic Acids And Lewis Acids In Organic Synthesis	2006	2010
14	Goudarshivannanavar B.C	Full Time	Investigation of New Heterocycles	2006	2011

			Encompassing Furan Nucleus and Some Selected Medicinal Plants for Antioxidant Activity		
15	Jayashree	Full	Studies on Chemical Modification of Wood Based on Esterification Reactions	2006	2012
16	Naik suneel seetaram	Full Time	Synthesis Of Nanoparticles and Dispersion on Polymers for the Photocatalytic Degradation of Textile Azo Dyes	2008	2012
17	Mahesh AnandGoudar	Part Time	Investigations of novel nitrogen heterocycles and some selected medicinal plants for various pharmacological activities	2006	2013
18	Kusuma K	Full Time	Synthesis, characterization and pharmacological evaluation some heterocyclic compounds containing nitrogen and oxygen	2010	2013
19	Madhusudhana N	Full Time	Studies on photocatalytic degradation of industrial dyes and coloured effluents	2008	2013
20	Gopalappa H	Part Time	Synthesis and Application of Nanoparticles in Catalytic Degradation of Water Soluble Dyes	2008	2013
21	Shet Prakash	Part Time	Synthesis and pharmacological investigations of some heterocyclic compounds containing oxygen	2010	2014
22	Yamuna A J	Full Time	Synthesis and evaluation of antioxidant property of indole.	2010	2014
23	Poornima. K.	Full time	Studies on the impact of textile Effluents on freshwater fish oreochromis mossabics	2010	2014
24	Bhavya. C	Full time	A study on degradation of textile dyes using metal oxide nanoparticles and	2013	2019

			their toxicity on cuprinus carpio		
25	Niranjan K. S.	Part time	A study on characterization of soils and assessment of soil quality index under major land use systems in hilly zone of Karnataka	2013	2020
26	Pushpa. V.	Full time	A study on biodegradation of industrial dyes using soil fungal isolates	2013	2020
27	Shilpa	Full time	A study on synthesis of metal oxide Nanoparticles and its photocatalytic activity on industrial dyes	2014	2020
28	Nagendra naik	Full time	Application of Barium oxide and its composites Nanoparticles in the degradation of certain industrial dyes	2015	2021
29	Santhosh A.M.	Full time	Studies on Photodegradation of Industrial Dyes: An approach on Identifying highly efficient metal oxide nanoparticles	2016	2021

M.PHIL GUIDED

Sl. No	Name of Students	Part time/ Full time	Subject	Year of Reg.	Year of Award
1	Yamuna A J	Full Time	Synthesis and Evaluation of antioxidant property of indoles	2007	2009
2	Kusuma K	Full Time	SynthesisandAntioxidant properties of some coumarin derivatives	2008	2009

LIST OF PUBLICATIONS IN SCI JOURNALS

1. Design, Synthesis and Anticancer Screening of Cu-Catalyzed SnAr Substituted Pyridine Bridged Ring Systems. B N Nippu, Abdul Rahman, K S Manjunatha, H M Kumaraswamy, **K M Mahadevan**, N D Satyanarayan. J. Mol. Struct, 1277, **2023**, 134829.
2. Lithiated indole derivative in reduced graphene oxide framework as efficient electrode for lithium-ion battery. Lohit Naik, Vijeth R Shetty, Ramappa A Kumar, GS Suresh, **KM Mahadevan,** SG Bubbly, SB Gudennavar. Synthetic Metals, 297, 117412, **2023.**

3. Efficient photodegradation of Victoria Blue B and Acridine Orange dyes by nickel oxide nanoparticles. AM Santhosh, K Yogendra, N Madhusudhana, **KM Mahadevan**, SR Veena. *Materials Today: Proceedings*, **2023.**

4. Synthesis, Structural Characterization and Photophysical Properties of Bis (4'-chloro-2, 2': 6', 2''-terpyridyl) nickel (II) chloride dihydrate. Basavaraja Thippeswamy, Parameshwar A Suchetan, **Kittappa M Mahadevan**, H Nagabhushana, Giriyapura R Vijayakumar. *Research Square.* **2023,**4,18.

5. Design, Synthesis and Anticancer Screening of Cu-Catalyzed SnAr Substituted Pyridine Bridged Ring Systems. BN Nippu, Abdul Rahman, KS Manjunatha, HM Kumaraswamy, **KM Mahadevan**, ND Satyanarayan. *Journal of Molecular Structure*, **2023,**127,134829.

6. Palladium- Catalysed C− C Bond Forming 4- Cyanophenyl- nicotinamide Conjugates; Anti- Pancreatic Cancer Screening on Capan- 1 Cell Line. A Rahman, Nippu B N, Manjunatha K S, Sandeep Kumar Jain, H M Kumaraswamy, Rajeshwara Achur, N D Satyanarayan, **K M Mahadevan.**
   ChemistrySelect, 8, **2023**, e202204309.

7. Synthesis of Palladium- Catalysed C−C Bond Forming 5- Chloro Quinolines via Suzuki- Miyaura Coupling; Anti- Pancreatic Cancer Screening on PANC- 1 Cell Lines. A Rahman, Nippu B N, Manjunatha K S, Meghana P, H M Kumaraswamy, Rajeshwara Achur, N D Satyanarayan, **K M Mahadevan.,** *Chem. Biodivers.*
   20, **2023**, e202200622.

8. Halogen free solvent processed light-emitting diodes achieving EQE nearly 25% for imidazole-based host materials synthesized by ball milling.
   Vijaya Gopalan Sree, Chinna Bathula, Abhijit N Kadam, MK Ravindra, **K M Mahadevan**, Jung Inn Sohn, Hyun-Seok Kim, Hyunsik Im., *Nano energy,*
   92, **2022**, 106753.

9. Synthesis, DNA binding, photocleavage, molecular docking studies of 2-oxo-3-quinoline-3-oximes. P.J. Bindu, T.R. Ravikumar Naik, S. Chandrasekar, **K.M. Mahadevan**. *J. Mol. Chem*. **2022**, 2(2), 444.

10. Synthesis, spectroscopic properties, and DFT correlative studies of 3, 3′-carbonyl biscoumarin derivatives. Shashikant Walki, GH Malimath, **K M Mahadevan**, Soniya Naik, Suraj M Sutar, Hemantkumar Savanur, Lohit Naik, *J. Mol. Struct*, 1243, **2021,** 130781.

11. Antiproliferative, apoptotic, and antimutagenic properties of stem bark and seed fractions of Polyalthia cerasoides (Roxb.). YS Ravikumar, **K M Mahadevan**, BM Usha, H Manjunatha., *J Cancer Res Ther*. 7, **2021**, 1339-1346.

12. Novel aggregation induced emission based 7-(diethylamino)-3-(4-nitrophenyl)-2H-chromen-2-one for forensic and OLEDs applications.
Naveen Kumar, RB Basavaraj, **KM Mahadevan**, G Nagaraju
Applied Surface Science Advances, 5,10095,**2021**

13. Sensing and sensitive visualization of latent fingerprints on various surfaces using versatile fluorescent AIE based Coumarin derivative.
Naveen Kumar, Udayabhanu, Abdulaziz Ali Alghamdi, R.B. Basavaraj, **K. M. Mahadevan** and G. Nagaraju
Journal of Luminescence, **2021**

14. Solvent free and green synthesis of efficient solvochromism based coumarin moieties for quick visualization of LFPs and OLEDs applications
Naveen kumar, Udayabhanu, Ali Alghamdi, **K. M. Mahadevan** and G. Nagaraju
Journal of Molecular structure, **2021**, 1223, 129208

15. Solar Light Induced Photodegradation of Brilliant Green Dye by Barium Calciate ($BaCaO_2$) Nanoparticles
K Nagendra Naik, K Yogendra, **K. M. Mahadevan**
Nature Environment and Pollution Technology, **2020**, 19, 1683-1688

16. Development and Detection of level II and III features of Latent Fingerprints using highly sensitive AIE based Coumarin Fluorescent Derivative.
Naveen kumar, Udayabhanu, **K. M. Mahadevan** and G. Nagaraju
Journal of Science: Advanced Materials and Devices **2020**

17. Synthesis of blue light emitting 5-carboxylicacid-2-arylsubstituted benzimidazoles as photosensitizers for dye-sensitized solar cells
T. V. B. Nagaveni, **K. M. Mahadevan**, Ravikumar Naik, T. O. Shrungesh Kumara
Journal of Materials NanoScience, **2020**,7, 24-28

18. Crystal structure and photoluminescent properties of bis (4′-chloro-2, 2′: 6′, 2′′-terpyridyl) cobalt (II) dichloride tetrahydrate

B Thippeswamy, PA Suchetan, **K. M. Mahadevan**, H Nagabhushana, G. R. Vijayakumar
Acta Crystallographica Section E: Crystallographic Communications, **2020**, 76, 496-499

19. Photocatalytic degradation of Victoria blue B a cationic dye by synthesised zinc oxide nanoparticle
A. M. Santhosh, K Yogendra, N Madhusudhana, **K. M. Mahadevan**, I. H. Mallikarjuna
International Journal of Nanoparticles, **2020**, 12, 327-341
20. Application of synthesized tetragonal structured zirconium oxide nanoparticle on victoria blue B and acridine orange dye
A.M. Santhosh, K. Yogendra**, K.M. Mahadevan**
Journal of Physics: Conference Series, **2020**, 1, 1495, 012007

21. Synthesis, Characterization, Photoluminescence Property of Al(III) Schiff Base Complexes and Their Applications in Forensic Fingerprint and Dye Sensitized Solar Cells
M. Srinivas , N. Sulochana, G. Ramesh, H.R. Rajegowda, **K.M. Mahadevan**, and Shivayogeeswara Neelagund.
Asian Journal of Chemistry, 32(6):1427-1432, **2020.**

22. Microwave assisted synthesis of imidazolyl fluorescent dyes as antimicrobial agents
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Industry and Society, KuvempuUniversity, Karnataka, January 6thto 8th, **2006**.

90. Synthesis and Pharmacological Evaluation of 3-naphtho[2,1-b]furan-2-ylcarbonyl)-3Hylcarbonyl-3H-1,3,4-benzotrizepine. G.K.Nagaraja, M.N.Kumaraswamy, V.P.Vaidya and **K.M.Mahadevan.** National Conference on Chemical Sciences for Industry and Society, KuvempuUniversity, Karnataka, January 6thto 8th, **2006**.

91. Potent Pharmacological activity of Natural Curcuminoids and Their Palladium (II) chloride and Bromide Complexes. National Symposium on Current Trends in Inorganic Chemistry. Dept.of Applied Chemistry, Cochin University of Science and Technology Kochi, 15 to17th, March **2004**.

92. Synthesis and Characterization of Tris(Hydroxyl)hydroxy Methyl Amine Grafted Styrene Maleic anhydride Copolymer as Dispersing and Emulsifying Agent. National Seminar on Role of Chemistry in the emerging area of Applied Science, Sri Krishna Devaraya University Tirupati- Andrapradesh. March 15 to17th**2004**.

93. Synthesis of New Benzcoumaryl pyrazolyl, Isoxazolyl and Pyridyl Derivatives and Investigation of Their Antimicrobial Activities. D.B. Aruna Kumar, B.S. Sherigara, and **K.M. Mahadevan.** Paper presented at 23rd Annual Conference of Indian Council of Chemists, K.C.College Church gate, Mumbai. October 29to 31st **2004**.

94. Microwave Assisted One Pot Synthesis of Pyrazol [5,4-c] thiodiazapin [2,1-b]-1,3,4- triazoles" B.P.Nandeshwarappa, H.S.Bhojya Naik and **K.M.Mahadevan.** Paper presented at 23rd Annual Conference of Indian Council of Chemists, K.C.College, Church gate, Mumbai. 29 to 31st October 2004.

95. Facile Synthesis of Furoquinoline Derivatives. B.M.Kiran, D.B.Aruna Kumar, V.P.Vaidya and **K.M.Mahadevan** Paper presented at 23rd Annual Conference of Indian Council of Chemists, K.C.College, Church gate, Mumbai. October 29 to 31st**2004**.

96. An Efficient Synthesis of 1,5-Diazepines and 1,5-Thiazepines by Microwave- Assisted Heterocyclization. Paper presented at 23rd Annual Conference of Indian Council of Chemists, K.C.College, Church gate, Mumbai. October 29 to 31st**2004**.

97. Synthesis of Novel Angularly Fused Pentacyclic Heterocycles of Pharmacological Interest. Basavaraj Padmashali, **K.M.Mahadevan.** And V.P.Vaidya. International Symposium on Drug Discovery and Process Research (DDPR-2003) ShivajiUniversityKolhapurIndia. January 23 to 25th**2003**.

98. Synthesis of Novel Naphtho [2,1-*b*]furo[3,2-*d*]pyrimidine Derivatives. **K.M.Mahadevan**, H.M.Vagdevi and V.P.Vaidya 21st Annual

Conference of Indian Council of Chemist Jabalpur-M.P. India. October 24 to 26th **2002**.

99. Studies in Naphthofurans: Part IV-Synthesis of Some 2-isoxazolyl, Pyrazolyl, Pyrimidyl and Quinolinyl naphtho [2,1-*b*] furan Derivatives and Their Biological Activities. **K.M.Mahadevan** and V.P.Vaidya 88th Session of Indian Science Congress New Delhi. January 3 to 7th **2001**.

100. Synthesis and Pharmacological Evaluation of Pharmacologically More Potent Naphtho[2,1-*b*]furo-pyrazole Oxadiazole and Coumarin Derivatives.
K.M.Mahadevan and V.P.Vaidya 38th Annual Convention of Chemist, Jodhpur, India. **2001**.

101. Anthalmintic Activity of the Fruits of *Balanities Roxburghii*. Basavaraj Padmashali, **K.M.Mahadevan** and V.P.Vaidya 20th Annual Conference of Indian Council of Chemist, Mysore, 22 to 24th December **2001**.

102. Studies in Naphthofurans: Part V-synthesis of 2-aryl-1, 2, 3, 4-tetrahydropyrido (naphtho[2,1-*b*]furan)-4-ones and Their Biological Activity. **K.M.Mahadevan**,Basavaraj Padmashali and V.P.Vaidya 19th Annual Conference of Indian Council of Chemist, Shankaraghatta, Shimoga, Karnataka. November 27 to 29th**2000**.

103. Mild, Efficient Fischer Indole synthesis using 2,4,6-trichloro-1,3,5-Triazine(TCT).

104. Synthesis and Cytotoxic studies of 2,3-dimethylindoles and Tetrahydrocarbazoles.
T.O.Shrungesh Kumar, Kittappa M.Mahadevan, and Eranna Siddalingamurthy

Memberships of University Bodies/other organizations

Sl. No	University/ Organization/Institute Body	Nature of Association	Period
01	Bio-Organic and Applied Material Pvt. Ltd., Bangalore	Honorary Consultant	2005 to till date
02	Suman Laboratories Keerthi Nagar 2nd Cross, Shivamogga	Honorary Consultant	2014 to till date
03	Azyme Bioscience Pvt.Ltd., Jayanagar,Bangalore	Honorary Consultant	2013 to till date
04	The Open Catalysis Journal" *Bentham Open*	Editorial Advisory Board Member	2009 to till date
05	Indian Council of Chemistry	Indian Council of Chemist	2002 to till

			date
06	Kuvempu University	Kuvempu University Teachers association (KUTA)	Life Member

ADMINISTRATIVE EXPERIENCE

Sl. No	Position	Organization	Duration	Responsibilities
01	Director	P.G. Centre Kadur Kuvempu University	2012-2015 2016-till date	Administration
02	Chairman	BOE, PG studies in Chemistry Kuvempu University	2014-till date	Conducting Examinations
03	Chairman	BOE, PG Studies in Pharmaceutical Chemistry Kuvempu University	2013-2014	Conducting Examinations
04	Faculty Advisor	Kuvempu University	2006-2008	P.G. Hostel-Administration
05	Scientific Advisor	Bio-Organic and Applied Material Pvt. Ltd., Bangalore	2005-till date	Scientific Adviser
06	Scientific Advisor	Suman Laboratories Keerthi Nagar 2nd Cross Shivamogga	2014 to till date	Scientific Advisor
07	Scientific Advisor	Azyme Bioscience Pvt.Ltd., Jayanagar, Bangalore	2013 to till date	Scientific Advisor
08	Coordinator for Distance Education	Kuvempu University	2006-2008	Distance Education. P.G. Chemistry. Examination Work In charge
09	Registrar (Evaluation)	University of Mysore	Feb-2019-Dec-2020	**Controller of Examination**
10	Directior (Distance Education)	University of Mysore	**22-01-2020 to 23-12-2020**	Directorate of Distance Education Programmes
11	Co-Ordinator **(Chief Minister Kaushalya Karnataka Yojane at UoM)**	University of Mysore	**29-01-2020 to 23-12-2020**	**To execute Chief MinisterKaushalya Karnataka Yojane**

12	**Registrar (Evaluation)**	KSOU Mysore	**1-2-2021 to 19-9-2021**	**Controller of Examination**