

KUVEMPU



UNIVERSITY

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

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Dept of Chemistry
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Karnataka, INDIA

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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
Registrar (Evaluation) at UoM :20-2-12019 to 23-12-2020
Registrar (Evaluation) at KSOU :01-2-2021 to till date

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 till date
7	Coordinator for Chief Minister KaushalyaKarnataka Yojane	University of Mysore	29-01-2020 to till date
8	Registrar (Evaluation)	KSOU Mysore	1-2-2021 to till date

RESEARCH POSITIONS HELD

Scientific Adviser : 1) BioOrganics and Applied Material Pvt. (2005 to till date) 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 2D¹H 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)

BOOK CHAPTERS PUBLISHED

- **Application of Nano-Sized Metal Oxides in the Degradation of Azo Dyes: A Review**
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 compound as electrophilic 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 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.
- 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. Shrunghesh 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

- 13) Synthetic Organic Chemistry
- 14) Medicinal Plant Chemistry
- 15) Environmental Chemistry

RESEARCH ACTIVITIES

- 16) Research Publication in peer review
National and International Journals : 241*
- 17) Papers Presented in Seminars/Symposia/
Conferences in India and Abroad : 68*

RESEARCH GUIDANCE

- Number of Ph. D guided : 47*(guide-20, coguide-27)
- 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 antitubercular 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 Pharmaceutical Importance	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 fluorophosphate 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

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	2005	2007

			metal complexes		
5	Vijay Kumar. S	Full Time	Synthesis and Characterization of Polyurethanes and N-Vinyl pyrrolidone Polymer 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 evaluation 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 Encompassing Furan Nucleus and Some Selected Medicinal Plants for Antioxidant Activity	2006	2011

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 their toxicity on cuprinus carpio	2013	2019
25	Niranjan K. S.	Part time	A study on characterization of soils	2013	2020

			and assessment of soil quality index under major land use systems in hilly zone of Karnataka		
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

RESEARCH GUIDANCE DETAIL (PH.D.): WORKING

Sl. No	Name of Students	Parttime / Full time	Title of the Thesis	Year of Reg.
1	Shashikant Walki	Fulltime	Synthesis of some novel dyes for dye-sensitized solar cells applications	2015
2	Ravindra M. K.	Full time	Design and synthesis of novel Organic compounds for OLED applications.	2016
3	Naveenkumar	Full time	Synthesis of novel organic Phosphorescent compounds for OLED applications.	2016

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

Sl. No	Name of the Candidate	Part time/ Fulltime	Title of the Thesis	Year of Registration
01	Nagendra naik	Full time	Application of Barium oxide and its composites Nanoparticles in the degradation of certain industrial dyes	2015
02	Santhosh A.M.	Full time	Studies on Photodegradation of Industrial Dyes: An approach on Identifying highly efficient metal oxide nanoparticles	2016

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	Synthesis and Antioxidant properties of some coumarin derivatives	2008	2009

LIST OF PUBLICATIONS IN SCI JOURNALS

1. 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
2. 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**.
3. New Zn (II) Complexes of Substituted bis (Salicylidene) phenyl-1, 2-diamino Based Organic Ligands: Synthesis, Photoluminescence, Applications in Forensic Fingerprint and Dye Sensitized Solar Cells
M Srinivas, N Sulochana, GRY Kumar, **KM Mahadevan**
Asian Journal of Chemistry, **2020**, 4, 32, 945-951
4. Synthesis of blue light emitting 5-carboxylic acid-2-aryl substituted benzimidazoles as photosensitizers for dye-sensitized solar cells.
V.B. Nagaveni, **K.M. Mahadevan**, R. Naik, T.O.S. Kumara
Journal of Materials NanoScience, **2020**, 7, 1, 24-29.
Impact Factor: 5.5
5. Microwave assisted synthesis of imidazolyl fluorescent dyes as antimicrobial agents

Chinna Bathula, MK Ravindra, Ashok Kumar, Hemraj Yadav, Sivalingam Ramesh, Surendra Shinde, Nabeen K Shrestha, **K.M.Mahadevan**, Veeranjaneya Reddy, Arifullah Mohammed
Journal of Materials Research and Technology, **2020**, xxxx-xxxxx.
Impact factor: 3.27

6. Transition Metal Complexes of Pyridyl Ligand as Light Emitting Materials in OLEDs
Thippeswamy, Basavaraja, Somashekara, Bhadrachar, **Kittappa M Mahadevan**, Giriyapura R Vijayakumar
Asian Journal of Chemistry, **2020**, 161-166.
7. Application of Efficient Photocatalyst in the Degradation of Textile Dye Brilliant Blue R
AM Santhosh, K Yogendra, **KM Mahadevan**
Research Journal of Chemistry and Environment, **2020**, volume 24, 6.
8. Crystal structure and photoluminescent properties of bis(4-chloro-2,2,2-terpyridyl) cobalt(II)dichloride tetrahydrate
B. Thippeswamy, P. A. Suchetan, **K. M. Mahadevan**, Nagabhushanad and G. R. Vijayakumara.
Acta Cryst. **2020**, E76, 496-499.
9. Design of new Imidazole-derivative dye having donor- π -acceptor moieties for highly efficient organic-dye-sensitized solar cells
Shashikant Walki, Lohit Naik, Hemantkumar M. Savanur, K.C. Yogananda, Soniya Naik, M.K.Ravindra, G.H.Malimat, and **K.M.Mahadevan**.
Journal of Optik, 19 December, **2019**, 164074.
Impact factor: 1.94
10. New design of highly sensitive AIE based fluorescent imidazole derivatives: Probing of sweat pores and anti-counterfeiting applications
MK Ravindra, **KM Mahadevan**, RB Basavaraj, GP Darshan, SC Sharma, MS Raju, GR Vijayakumar, Kiran B Manjappa, Ding-Yah Yang, H Nagabhushana.
Materials Science and Engineering: C, **2019**. Vol.101, 564-574.
Impact factor: 5.3
11. Synthesis, DNA photocleavage, molecular docking and anticancer studies of 2-methyl-1, 2, 3, 4-tetrahydroquinolines,
PJ Bindu, R Naik, **KM Mahadevan**, G Krishnamurthy - *Chemical Biology Letters*, **2019**. Vol.6,1,18-13.
Impact factor: 0.89

12. Silver nanoparticles loaded ZnO photoelectrode with Rose Bengal as a sensitizer for dye sensitized solar cells
Shubhangi Khadtare, Abu Saad Ansari, Habib M Pathan, Sung-Hwan Han,
KM Mahadevan, Suresh D Mane, Chinna Bathula
Inorganic Chemistry Communications,**2019**,104, 155-159.
13. Isolation and identification of azo dye degrading microbes using 16s r RNA sequencing
V. Pushpa K. Yogendra, **K.M.Mahadevan** and M. Mahesh
Journal of Applied and Natural Science
11(2): 245- 249,**2019**.
14. Acute and sublethal toxicity of Calcium Magnesiate nanoparticle to the freshwater fish, *Cyprinus carpio*
Bhavya C, Yogendra K, **Mahadevan K.M.**
Journal of Emerging Technologies and Innovative Research,
June **2019**, Volume 6, Issue 6, ISSN-2349-5162.
15. Isolation and identification of azo dye degrading microbes using 16s r RNA sequencing
V. Pushpa, K. Yogendra, **K.M.Mahadevan**, M. Mahesh
Journal of Applied and Natural Science, 11(2): 245- 249,**2019**.
16. Soil Quality Assessment Through Minimum Data Set Under Arecanut Land Use System Hilly Zone of Karnataka, India
K.S. Niranjana, K. Yogendra, **K.M.Mahadevan**
International Journal of Environment, Ecology, Family and Urban Studies (IJEEFUS), **2019**, 9, 27-34
17. Soil Quality Index (SQI) as Influenced by Paddy Land Use among Different Districts of Hilly Zone of Karnataka
K.S.Niranjana, K.Yogendra, **K. M.Mahadevan**
Environment and Ecology, **2019**, 37 (2), 528—534.
18. Synthesis of 2-[1*H*-indol-2-yl(1*H*-indol-3-yl)methyl]phenol and Its Application in Aqueous Rechargeable Lithium-Ion Batteries
Vijeth Rajshekar Shetty , Anil Kumar, Dr. Gurukara Shivappa Suresh,
Dr. Kittappa Malavalli Mahadevan
ChemistrySelect,**2018**, Vol 3, Issue 28, 8363-8372.
19. Synthesis, Characterization, Crystal Structure and Hirshfeld Surface Analysis of 4-(1-(4-methoxyphenyl)-4,5-diphenyl-1*H*-imidazole-2-yl)Phenyl Carboxylic acid Monohydrate
M.K.Ravindra, Karthik Kumara, **K.M.Mahadevan**, H.S.Bhojya Naik, Kakarla Raghava Reddy, N.K.Lokanath and S.Naveen.
Journal of Applicable Chemistry, **2018**, 7 (3): 513-520.
Impact factor: 0.7

20. Carbon-Nanotube-Encapsulated LiTiOPO₄ Composite Electrode for Aqueous Rechargeable Battery Applications
Rangaswamy Puttaswamy, Gurukar Shivappa Suresh, **Kittappa Malavalli Mahadevan**, Yanjerappa Arthoba Nayaka
ChemistrySelect, **2018**, 3, 11,3056-3069.
21. Acute toxicity test of synthesized calcium zincate nanoparticles in common carp *Cyprinus carpio*
Bhavya C, Yogendra K, **Mahadevan KM** and Madhusudhana N
International Journal of Fisheries and Aquatic Studies, **2018**; 6(3): 267-271
22. Synthesis, crystal structure and excellent photoluminescence properties of copper (II) and cobalt (II) complexes with Bis(1[(4-butylphenyl)imino]methyl naphthalen-2-yl) Schiff base.
V.B. Nagaveni, **K.M. Mahadevan**, G.R. Vijayakumar, H. Nagabhushana, S. Naveen, N.K. Lokanath.
Journal of Science: Advanced Materials and Devices, 3, **2018**, 51-58.
23. A Comparative Study over Degradation of Direct Green 6 by using Synthesized Magnesium Aluminate and Magnesium Zincate Nanoparticles
Shilpa G, Yogendra K, **Mahadevan K.M**, Madhusudhana N and Santhosh A.M
Journal of Applied Chemistry (IOSR-JAC), Vol.11, **2018**, 1-08.
24. Synthesis, Characterization, Structural Elucidation and Hirshfeld Surface Analysis of a Novel 1*H*-Imidazole Derivative
T.P. Jyothi, M.K. Shivanand, S.B. Benaka Prasad, M.K. Ravindra, **K.M. Mahadevan**, N.K. Lokanath, and S. Naveen.
Journal of Applicable Chemistry, **2018**, 7 (2): 382-389.
25. Synthesis, Characterization Studies of a Novel Indole Derivative: 3,3'-[[5-methylthiophen-2-yl) methanediyl]bis (1*H*-indole)
R. Anil Kumar, **K.M. Mahadevan**, H.S. Bhojyanaik, M.V. Deepa Urs, N.K. Lokanath and S. Naveen
Journal of Applicable Chemistry, **2018**, 7 (2):353-360
26. Physico-chemical characterisation and fertility rating of maize growing soils from hilly zone of Shivamogga district, Karnataka
K.S. Niranjana*, K. Yogendra and **K.M. Mahadevan**
Indian J. Agric. Res., 52 (1), **2018**: 56-60
27. Synthesis, Characterization and Crystal Structure Analysis of 2-(1-(4-butylphenyl)-4,5-diphenyl-1*H*-imidazol-2-yl)-4-chlorophenol
T.P. Jyothi, H.R. Manjunath, M.K. Ravindra, M.K. Shivanand, **K.M. Mahadevan**, N.K. Lokanath, and S. Naveen*

28. Study On Photocatalytic Degradation Coralene Red F3BS By Using Synthesized Al₂O₃ Nano Particles
Madhusudhana N, Yogendra K, **Mahadevan K. M.**, Santhosh A. M.
AGU International Journal of Engineering & Technology, **2018**, Vol.6, e-ISSN: 2455-0442
29. In Vitro Antioxidant, Antimicrobial and Admet Study of Novel Furan/Benzofuran C-2 Coupled Quinoline Hybrids
Anantacharya Rajpurohit, Nayak D. Satyanarayan, Sameer Patil, **Kittappa M. Mahadevan**, Adarsha H. J.
International Journal of Pharmacy and Pharmaceutical Sciences, 9(10):144, **2017**.
30. Synthesis, Characterization, Crystal Structure and Hirshfeld Surface Analysis of 2-[1-(4-butylphenyl)-4,5-diphenyl-1H-imidazol-yl]phenol
Anil Kumar R, Naveen S, Karthik Kumara, **Mahadevan KM**, Bhojyanaik HS, Lokanath NK
Der Pharma Chemica, **2017**, 9(23):29-37.
Impact factor: 0.54
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33. Synthesis and Molecular Docking Studies of 2-Aryl/Heteroaryl-Ethyl 6-Chloroquinoline-4-Carboxylates as Antimalarial Agents. T.O.Shrungesh Kumar, **K.M.Mahadevan**, P.S.Sujan Ganapathy and M.N.Kumara. UGC sponsored national level seminar on Emerging Trends in Analytical Techniques(ETAT-2016) on March 28-26, **2016**, organized by the Government Science College, Hassan, Karnataka
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35. Rapid synthesis and Enzyme inhibition study by molecular docking of Cis-2-methyl-4-azepan-2-one-1,2,3,4-tetrahydroquinolines with aresyltransferase receptor protein. T.O.Shrungesh kumar, **K.M.Mahadevan**, B.G.Harish.National conference on Advanced

Nanotechnology and its applications January 22-23, **2015**. Organised by Department of chemistry, Maharani's Science College for Women, Bangalore.

36. Synthesis and Molecular Docking Study of 2-Aryl/Heteroaryl-6-Chloro-Quinoline-4-Carboxylates with Plasmodium LDH Protein Receptor. T.O.Shrungeshkumar, **K.M.Mahadevan**, P.S.Sujanganapathy, M.N.Kumara. National conference on Pure and applied chemistry December 29-31, **2014**. Organised by Department of Studies in Chemistry University of Mysore, Manasagangotri Mysuru,
37. Toxicity and molecular docking studies of tetrahydroquinolines against microbial, Cancer, retinoic, acid receptor inflammatory, cholesterol ester transferases and parasitic protein receptors".Pradeep P.S., K.M.Mahadevan, Kiran Kumar H. Jagdeesh N.M. Prashantha Nagaraja. National conference on Pure and applied chemistry December 29-31, 2014. Organised by Department of Studies in Chemistry University of Mysore, Manasagangotri Mysuru
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40. International conference on Emerging Trends in Chemical Sciences. **December 5-7th, 2013**. Organized by Chemistry Division, School of Advanced Sciences, VIT University, Vellore.
41. Choline chloride/Urea Ionic Liquid Catalyzed a Convenient One-Pot Synthesis of Indole-3-Propanamide Derivatives. **Kittappa M. Mahadevan**, Hosanagara N.Harishkumar, Jagadeesh N.Masagalli, and Hosapalya T.Srinivasa. Recent Advances in Chemical Biology An overview (RACB-2013). March 15-16, **2013**. Organized by Dept of PG Studies in Chemistry, Government Science college, Hassan
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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 to 17th **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 29 to 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) Shivaji University Kolhapur India. 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 Quinolinylnaphtho [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**.
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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 2 nd 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" <i>Bentham Open</i>	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 2 nd 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-till date	Controller of Examination
10	Director (Distance Education)	University of Mysore	Feb-2020-till date	Directorate of Distance Education Programmes
11	Co- Ordinator (Chief Minister Kaushalya Karnataka Yojane at UoM)	University of Mysore	January- 2020-till date	To execute Chief MinisterKaushalya Karnataka Yojane