

CURRICULUM VITAE

Dr. SHRUNGESH KUMAR. T.O

Teachers Colony
Thamatakallu Road
Chitradurga (T)(D)
PIN-577 502
KARNATAKA(S)
INDIA

Mobile: +91 9986630571

E-mail: shrungesh04@gmail.com

ACADMEIC QUALIFICATIONS:

Doctor of Philosophy (Ph.D.,) in Chemistry, Kuvempu University, 2015

- **Thesis Title:** Studies on Multicomponent Reaction: An Approach to Expedite Synthesis of Nitrogen Heterocyclic Compounds.
- **Advisor:** Prof. K.M. Mahadevan

Masters of Science (M.Sc.,) in Chemistry Passed with “A” grade, Kuvempu University, 2009

- **Dissertation Title:** Synthesis and Characterization of Substituted Phenylthiourea Derivatives
- **Advisor:** Prof. K.M. Mahadevan

Bachelor of Science (B.Sc.,) in Chemistry, Biotechnology and Computer Science, Passed with Distinction, Kuvempu University, 2007

Research Interest

- Review of literatures in various field of chemistry.
- Catalytic synthesis of novel heterocycles through mild and efficient methods.
- Characterization of newly synthesized heterocycles using spectroscopic techniques.
- To check the *in vitro* and *in silico* cytotoxic activity of newly synthesized heterocycles.
- Molecular Docking and ADME/Tox predictions.

Organic Chemistry

- Development of novel synthetic methodologies towards organic compounds
- Design and synthesis of bioactive compounds and natural product analogues
- Study of the biological activity of synthesized organic compounds
- Spectroscopic techniques for the structural characterization of organic molecules

Technical Experience

- Experience in handling air-, moisture-sensitive, explosive compounds, organic synthesis, purification techniques, NMR, 2DNMR, LCMS, HPLC, UV/VIS, IR, Elemental analysis and Prepare technical reports.
- Project Design, Grant Writing
- *Molecular Docking*(Maestro, Discovery Studio, AutoDock), ADME/T, Chem Sketch and Chem Draw.
- Operating Systems- MS Windows
- Able to learn new software quickly

Teaching Experience

Serving as Assistant Professor in Department of Chemistry, Vijayanagar College, Hosapete, Vijayanagara Sri Krishnadevaraya University, Bellari

27-04-2023- till date

December 2020 to November 2022 (02 Years)

Department of Postgraduate Studies in Chemistry, Vijayanagar College, Hosapete, Vijayanagara Sri Krishnadevaraya University, Bellari

August 2019 to May 2020 –(01 Years)

Department of Postgraduate Studies & Research in Chemistry(Hon), Sahyadri Science College(autonomous), Kuvempu University, Shimoga

August 2016 to May 2019 –(03 Years)

Department of Postgraduate Studies & Research in Chemistry, Davangere University, Davangere

Administrative Experience

Serving as Co-ordinator to Department of BCA & B.Sc., Computer Science, Vijayanagar College, Hosapete

01-09-2023 to till date

Teaching Assistant

- Taught postgraduates.
- Supervised and assisted students with multi-step syntheses of compounds designed to teach general laboratory techniques
- Led several seminars for postgraduates in the chemistry department
- Supervised 30 postgraduate on their dissertations
- Acted as a mentor for postgraduates in their 1st and 2nd years
- Advised and taught the student the correct techniques and skills to complete the project
- Examination invigilation ensuring correct procedures and processes were followed.
- Worked as organizing member in conferences

FELLOWSHIPS

1. Ph.D., Fellowship from SC/ST Cell, Kuvempu University.

BIBLIOMETRY

17 peer-reviewed papers (8 as first author, 9 as coauthor)

PAPERS PUBLISHED

(Refereed Journals as notified by the UGC)

1. Green synthesis of 2,3,4,9-tetrahydro-1*H*-carbazoles/ 2,3-dimethylindoles catalyzed by [bmim (BF₄)] ionic liquid in methanol
Thamatakallu O. Shrungesh Kumar and Kittappa M. Mahadevan
Org. Commun. 2013, 6:1, 31-40
Impact factor: 0.5, ISSN: 1307-6175
2. Design, Synthesis and Molecular Docking Studies of 2Aryl/Heteroaryl Ethyl 6 Chloroquinoline-4-Carboxylates as Potential Antimalarial Agents.
T. O. Shrungeshkumar, K. M. Mahadevan, P. S. Sujanganapathy, M. N. Kumara
Letters in Drug Design & Discovery, 2016, 13(9), 982-991.
Impact factor: 1.5, ISSN: 1570-1808/16
3. Crystal structure of ethyl 6-bromo-2-[(E)-2-phenylethenyl]quinoline-4-carboxylate
T. O. Shrungesh Kumar, S. Naveen, M. N. Kumara, K. M. Mahadevan and N. K. Lokanath
Acta Cryst. 2015. E71, o121.
Impact factor: 0.34, ISSN: 2056-9890.
4. Crystal structure of ethyl 2-(2,4,5-trimethoxyphenyl) quinoline-4-carboxylate
T. O. Shrungesh Kumar, S. Naveen, M. N. Kumara, K. M. Mahadevan and N. K. Lokanath
Acta Cryst. 2015. E71, o514-o515.
Impact factor: 0.34, ISSN: 2056-9890.
5. Synthesis and cytotoxic studies of 2, 3-dimethylindoles and tetrahydrocarbazoles
T. O. Shrungesh Kumar, K. M. Mahadevan, M. N. Kumara
Int J Pharm Pharm Sci, 2014, 6, 137-140.
Impact factor: 0.55, ISSN: 0975 – 1491
6. Synthesis and molecular docking study of 2-aryl/heteroaryl-6-chloro-quinoline-4-carboxylic acids with plasmodium LDH protein receptor
T. O. Shrungeshkumar, K. M. Mahadevan, P. S. Sujanganapathy, M. N. Kumara
Int J Pharm Pharm Sci, 2014, 7(1), 431-437.
Impact factor: 0.55, ISSN: 0975-1491

7. Choline chloride/urea ionic liquid catalyzed a convenient one-pot synthesis of indole-3-propanamide derivatives
Eranna Siddalingamurthy, Kittappa M. Mahadevan, and **Tamatakallu O. Shrungesh Kumar**
Synth. Commun., 2013, 43, 3153-3162.
Impact factor: 1.018, ISSN: 1532-2432
8. Antiulcer activity of caesalpinia bonducella Linn.
Nayak D. Satyanarayan, Mahanandish. S. Hallur, **Thamatakallu. O. Shrungesh Kumar**, Kittappa. M. Mahadevan, Sharanabasappa. A Patil.
Inventi Rapid: Ethnopharmacology., 2011, 2(1).
Impact factor: - , ISSN: 0976-3805
9. Synthesis and molecular docking study of 2-aryl/heteroaryl-quinoline-4-carboxylic acids for antimalarial, antituberculosis and anticancer activities.
P.S. Pradeep, **T. O. Shrungesh Kumar**, N. Prashantha, K. M. Mahadevan,
IJCPS, 2015, 7(3), 37-46
SJIF Impact factor: 3.79, ISSN: 2319-6602
10. Synthesis, in-vitro antibacterial, toxicity and molecular docking anticancer of novel N-[(2-chloroquinolin-3-yl) methylene Schiff bases.
P.S. Pradeep, T. O. Shrungesh Kumar, N. Prashanth, K. M. Mahadevan.
Int J Curr Pharm Res, 2015, 7(3), 37-46.
Impact factor: 2.12, ISSN- 0975-7066
11. Ethyl-8-ethoxy-2-oxo-2H-chromene-3-carboxylate: synthesis, characterization, crystal and molecular structure and Hirshfeld surface analysis.
V. B. Nagaveni, S. Naveen, **T. O. Shrungesh Kumar**, M. N. Kumara, K. M. Mahadevan and N. K. Lokanath
Der Pharma Chemica, 2016, 8(1):392-396.
Impact factor: 0.5, ISSN- 0975-413X.
12. 2-[(2-Fluorophenyl)(1H-indol-3-yl)methyl]-1H-indole.
R. Anil Kumar, S. Naveen, **T. O. Shrungesh Kumar**, K. M. Mahadevan, M. N. Kumara and N. K. Lokanath
IUCrData, 2016, 1, x160838
Impact factor: 1.4, ISSN- 2414-3146.
13. Synthesis, Crystal Structure and Photoluminescence Study of Green Light Emitting Bis(1[(4-butylphenyl)imino]methyl naphthalen-2-ol) Ni(II)complex.
M. Srinivas, **T.O. Shrungesh Kumar**, K.M. Mahadevan, S. Naveen, G.R. Vijayakumar, H. Nagabhushana, M.N. Kumara, N.K. Lokanath
J Sci: Adv. Mate Dev. (2016), doi: 10.1016/j.jsamd.2016.07.002.
Impact factor: -, ISSN- 2468-2179.

14. Synthesis, Characterization and Crystal structure Studies of 2-[(4-chlorophenyl)(1*H*-indol-3-yl)methyl]-1*H*-indole
R. Anil Kumar, S. Naveen, **T. O. Shrungesh Kumar**, K. M. Mahadevan, M. N. Kumara and N. K. Lokanath
Der Pharma Chemica, 2016, 8(13):242-246.
Impact factor: 0.5, ISSN- 0975-413X.
15. Rapid synthesis and enzyme inhibition study by molecular docking of *cis*-2-methyl-4-azepan-2-one-1,2,3,4-tetrahydroquinolines with farnesyltransferase receptor protein.
T. O. Shrungesh Kumar, K. M. Mahadevan, P. S. Sujanganapathy
(*Communicated*)
16. Synthesis and molecular docking study of *cis*-2-methyl-4-pyrrolidin-2-one-1,2,3,4-tetrahydroquinolines with farnesyltransferase receptor protein.
T. O. Shrungesh Kumar, K. M. Mahadevan, P. S. Sujanganapathy
(*Communicated*)
17. Synthesis of blue light emitting 5-carboxylic acid-2-arylsubstituted benzimidazoles as photosensitizers for dye-sensitized solar cells
K. M. Mahadevan, V. B. Nagaveni, **T. O. Shrungesh Kumar**, T. R. Ravikumar Naik, H. S. Bhojya Naik.
(*Communicated*)

Paper Presented

1. Presented paper entitled “**Synthesis and Cytotoxic Studies of 2, 3-dimethylindoles and Tetrahydrocarbazoles**” in the International Conference on Emerging Trends in Chemical Sciences (IETC-2013) organized by the Chemistry Division, School of Chemical Sciences VIT University Vellore Tamilnadu on December 5-7th 2013.
2. Presented paper entitled “**Synthesis and Molecular Docking Study of 2-Aryl/Heteroaryl-6-Chloroquinoline-4-Carboxylic Acids with Plasmodium LDH Protein Receptor**” in the International Conference on Second annual international conference and industry – CCRS congress (ICC-2014) organized by the Coastal Chemical Research Society (CCRS) & Mrs. A.V.N. College, Visakhapatnam, Andhra Pradesh on December 13th & 14th 2014.
3. Presented paper entitled “**Green Synthesis of 2,3,4,9-tetrahydro-1*H*-carbazoles/2,3-dimethylindoles Catalyzed by [bmim (BF₄)] Ionic liquid in Methanol**” in UGC sponsored national seminar on “Recent Advances in Chemical Biology-An Overview (RACB-2013)” Organized by the Department of Post Graduate Studies in Chemistry, Government Science College, Hassan, Karnataka, India, on 15-16/03/2013.
4. Presented paper entitled “**Design, Synthesis and Molecular Docking Studies of 2-Aryl/Heteroaryl-Ethyl 6-Chloroquinoline-4-Carboxylates as Potential Antimalarial Agents**” in National Conference on Pure and Applied Chemistry-2014 (NACOPAC-2014)

organised by DOS in Chemistry, University of Mysore, Mysuru, Karanataka, India, on December 29-31, 2014

5. Presented paper entitled “**Rapid Synthesis and Enzyme Inhibition Study by Molecular Docking of *cis*-2-Methyl-4-Azepan-2-One-1,2,3,4-Tetrahydroquinolines with Farnesyltransferase Receptor Protein**” in UGC Sponsored Two Day National Conference on Advanced Nanotechnology and Its Applications (NCOANA-2015) organised by Department of Chemistry, Maharani’s Science College for Women, Bangalore-560 001, on January 22-23, 2015
6. Presented paper entitled “**Synthesis and Molecular Docking Studies of 2-Aryl/Heteroaryl-Ethyl 6-Chloroquinoline-4-Carboxylates as Antimalarial Agents**” in 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
7. Presented paper entitled “**Synthesis of Tetrahydroquinoline Derivatives by SbF_3** ” in the two day National Conference on Recent Advances in Chemical Biology and Material Science for Industry and Society (RACBMS-2018) on February 9th and 10th 2018, organized by the Department of P.G. Studies and Research in Industrial Chemistry Jnana Sahyadri, Shankaraghatta, Shivamogga, Karnataka

Participated in International Level Conference

1. Participated in “International Conference on Synthetic and Structural Chemistry, ICSSC-2011” held during 8-10/12/2011 in Department of Studies in Chemistry, Mangalore University, Mangalagangothri, Mangalore, India.

Participated in National Level Conferences, Seminars and Workshops

1. Participated in UGC-SAP Sponsored a Two day National conference on “Recent Trends in Chemical and Biological Sciences” on 30-03-2010.
2. Participated in “Recent Trends in Analytical Techniques.” Organized by Department of Analytical chemistry, Davangere University on 19-2- 2011.
3. Workshop on “Research Methodology” organised by Department of English, Kuvempu University on 9th April 2011.
4. Participated in “Social Relevance of Chemical Sciences” (SRCS-2011) organised by Department of chemistry, Kuvempu University on March 26th & 27th 2011

5. National Workshop on “Usage of Instruments for Nanotechnology Applications” Department of Nano-Technology, Kuvempu University on 25th April 2011.
6. Workshop on “Personality Development and Communication Skill” SC-ST Cell, Kuvempu University on 22nd & 25th 2011
7. National conference on “Chemistry-Our life Our future” at Department of Chemistry, Kuvempu University, on 25th & 26th April 2012.
8. Participated in “One Day National Seminar on Pharmaceutical Chemistry and Technology” Organised by Department of Pharmaceutical Chemistry, Kuvempu University, Post-Graduate Centre, Kadur, Chickmagalur on 02-05-2012.
9. Participated in “One Day National Conference on Recent Trends and Future Application of Chemical Sciences” Organised by Department of Studies & Research in Chemistry, Shivagangothri, Davangere University, Davangere on 05-11-2016.
10. Participated in the “World Food Day Conference” Organised by Department of Food Technology, Shivagangothri, Davangere University, Davangere on 25-10-2016.
11. Participated in Two days National Seminar on Recent Trends in Chemical Biology and Material Sciences(RTMBS-2018) Organised by Department of P.G Studies and Research in Chemistry, Kuvempu University, P.G.Centre, Kadur on 26th &27th February 2018
12. Participated in “One Day workshop on National Education Policy-2020” Organised by SSAS Government First Grade College. Hosapete, on 26-08-2021.
13. Participated in “One Day National Conference on Advancement in Chemistry And Medicinal Chemistry(ACMC-2023)” Organised by Department of Chemistry(UG and PG), Bharathi College, Bharathinagar, Maddur(Tq) Mandya on 09-12-2023.
14. Participated in “4-week Faculty Induction/Orientation programme from 20-09-2023 to 19-10-2023. Organised by Ramanujan College. University of Delhi.

Declaration

“I hereby confirm that, the above mentioned information is true to the best of my knowledge and belief.

Date:

Place:

(Dr. T.O. Shrunghesh Kumar)