



FACULTY PROFILE ON WEBSITE

Faculty Name	Dr. JAGADEESH N M	
Academic Designation	Assistant Professor	
Educational Qualification	M.Sc., Ph.D., PDF	
Experience in Teaching & Industry	8 & 8	
Date of Joining	01-04-2024	
Official Email ID	jagadeesh-chem@dsatm.edu.in	
Employee ID	180791	

Educational Details

- Ph.D in Chemistry, Kuvempu University
- M.Sc. in Chemistry, Kuvempu University
- B.Sc. ImBC, Kuvempu University

Professional Experience

- Post-Doctoral Fellow at Prof. Won Jun Choi, Integrated Research Institute for Drug Development, Dongguk University, Seoul, Republic of Korea (2016-01 – 2024-03)
- Engaged in the project with LG Chem, Korea (2019-01 – 2024-03)
- Post-Doctoral Fellow at National Centre for Biological Sciences (NCBS), Tata Institute of Fundamental Research (TIFR), GKVK Campus, Bengaluru (2015-07 - 2015-12)
- Lecturer at department of P.G studies in Chemistry, P.G. Centre, Kadur, Kuvempu University (2012-08 to 2013-07, 2014-08 to 2015-07)
- Lecturer at department of P.G studies in Pharmaceutical Chemistry, P.G. Centre, Kadur, Kuvempu University (2010-08 to 2012-07)
- Lecturer at department of P.G studies in Chemistry Kuvempu University, Shankarghatta 2009-09 to 05-2010
- Lecturer at department of P.G studies in Chemistry, Sahyadri Science college Shivamogga 2008-07 to 08-2009.
- Currently employed as an Assistant Professor in Chemistry at DSATM from 2024.

Publications

- Microplastic exposure and human health: an integrative toxicological perspective. Akanksha Singh, C. Lalbiaktluangi, Jawahar Singh, Kamla Kant, Amit Singh, Balachandar Vellingiri, Mahalaxami Iyar, Jagadeesh Nagarajappa Masagalli, Heera Ram, Mukesh Kumar Yadav. 3 *Biotech.* 2026, 16:88.

- An effective sensing platform of graphite-based Zr-CdFe₂O₄ nanoparticle for electrochemical sensing of heavy metal Pb²⁺ ions and Sunlight-induced photo-degradation activity. Harish, KN; BS, Surendra; B, Uma; Pai, Pavitra Gopalkrishna; M, Jagadeesh N; Khasim, Syed; Reddy, Sathish. *J Mater Sci: Mater Electron*. 2026, 37:262.
- Hepatoprotective Activity of the Methanolic Extract of *Barlariabuxifolia* Linn. Leaves Against CCl₄-Induced Toxicity in HepG2 Cells. Shivakumar B.S, Sunilkumar Y C, Asma Saqib, Jagadeesh N M. *Afr. J. Biol. Sci*, 7(7)2025,303-311.
- Synthesis of Moracin C and its derivatives with 2-arylbenzofuran motif and Evaluation of their PCSK9 inhibitory effects in HepG2 cells. **Jagadeesh N M**, Basavana Gowda M K, Hee-Sung C, Won Jun C. *Molecules*, 2021, 26(5), 1327(1-11).
- Novel Linked Butanolide Dimer Compounds Increase Adiponectin Production during Adipogenesis in Human Mesenchymal Stem Cells through Peroxisome Proliferator-Activated Receptor γ Modulation. Sungjin A, Basavana Gowda M K, Moonyoung L, **Jagadeesh N M**, Karabasappa M, Won Jun C, Minsoo N. *Eur. J. Med*. 2020, 187, 111969.
- Ruthenium chloride induced oxidative-cyclization of trans-resveratrol to ($\pm$)- ϵ -viniferin and antimicrobial and anti-biofilm activity against *Streptococcus pneumoniae*. Mukesh Kumar Y, Karabasappa M, **Jagadeesh N M**, Sung Won C, Jae-Jun S, Won Jun C. *Front. Pharmacol*. 2019, 10. DOI: 10.3389/fphar.2019.00890.
- Discovery of Flavonoids from *Scutellaria baicalensis* with inhibitory activity against PCSK 9 expression: isolation, synthesis and their biological evaluation. Piseth N, Hee-Sung C, **Jagadeesh N M**, Karabasappa M, Pisey P, Young-Mi K, Won Jun C and Young-Won C. *Molecules*, 2018, 23(2), 504, 1-11.
- Female chemical warfare drives fitness effects of group sex ratio. Khan I, Prakash A, Issar S, Umarani M, Sasidharan R, **Jagadeesh N M**, Lama P, Venkatesan R and Agashe D. *Am. Nat*, 2018, 191(3), 306-317.
- Synthesis and in vitro cytotoxicity study of 3-(1*H*-indol-3-yl)-1,3-diphenylpropan-1-ones. **Jagadeesh N. M**, Mahadevan K. M, Jayadevappa H, Harishkumar H. N, Rajesha G, Prashantha N. *Med. Chem. Res*, 2014, 23, 2880-2889.
- Mild, efficient Fischer indole synthesis using 2,4,6-trichloro-1,3,5-triazine (TCT). Siddalingmurthy E, Mahadevan K. M, **Jagadeesh N. M**, Harishkumar H. N. *Tetrahedron Lett*, 2013, 54, 5591-5596.
- Synthesis and liquid crystal property of new fluoro coumarin carboxylates. Mahadevan K.M, Harishkumar H. N, **Jagadeesh N. M**, Srinivasa H. T. *Mol. Cryst. Liq. Cryst*, 2013, 570(1), 20-35.
- Facile synthesis of 2-(1,3-benzoxazol/benzothiazol/benzoimidazole-2-yl)-3*H*-benzo[*f*]chromen-3-one as blue, fluorescent brighteners. Harishkumar H. N, Mahadevan K. M, **Jagadeesh N. M**. *S. Afr. J. Chem*, 2012, 65, 5-9.
- Synthesis and fluorescence study of some new blue light emitting 3-(1,3-benzothiazol/benzoxazol-2-yl)-2*H*-chromen-2-ones. Mahadevan K. M, Harishkumar H. N, **Jagadeesh N. M**, Kumara M. N. *SOP Transactions on Organic Chemistry*, 2014, 1(1), 20-30.
- Synthesis and fluorescence study of phenylcoumarin/cyanophenylbenzocoumarin-3-carboxylates. Harishkumar H. N, Mahadevan K. M, **Jagadeesh N. M**, Kiran Kumar H. C. *Org. Commun*. 2012, 5:4, 196-208.
- Antimony (III) sulphate catalysed one pot synthesis of 1, 8-dioxo-octahydroxanthenes. Kiran Kumar H. C, **Jagadeeshwara**, Prabhakara Varma P, Mahadevan K. M. *Org. Chem.: Indian J*, 2011, 7(3), 210-214.
- Synthesis and pharmacological studies on some new 2-substituted 3-chloro-1-benzothiophenes. Naganagowda G, **Jagadeeshwara**. *Indian J Heterocy Ch*, 2009, 19, 125-128.

<u>International Conferences:</u>
• Attended three-day international conference on synthetic and structural chemistry (ICSSE-2011) 8-10 December 2011 held at department of Chemistry, Mangalore University. • Attended the three-day international conference on open source for computer aided translational medicine Feb 22-25,2012 organized by open-source Drug discovery (OSDD) at CSIR institute of Microbial Technology, Chandigarh.

National Conferences:

- Presented a poster in UGC sponsored national seminar on Recent advances in chemical biology -An Overview- 15-16 March 2013 held by the Department of Chemistry, Kuvempu University, Shankarghatta.

Conference Attended

- Attended two days national conference on impact of chemical biology on society April 26&27 2012 organized by Department of chemistry Govt Science college Hassan.
- Attended one day national seminar on pharmaceutical chemistry and technology organized by department of pharmaceutical chemistry, Kuvempu University, Kadur P.G Centre, Kadur-02-05-2012.
- Participated in 29th annual conference of Indian council of Chemists held at department of chemistry, Panjab University, Chandigarh on 19-21 December 2010.
- Attended UGC sponsored national conference on Nanochemistry – A science of diminished dimensions 11th March 2009 held at Sahyadri Science college Shivamogga.
- Participated one day national seminar on Nanotechnology -Past, Present & Future on 04-04-2008 held at Department of Chemistry, Kuvempu University, Shankarghatta.

Awards

- Certificate of appreciation for excellent Academic Performance 2023-2024, awarded by DSATM.

Academic Activity

- Book Chapter Published (author): “Control of microbial biofilms: Application of Natural and Synthetic Compounds”. ISBN:9780444642790. Published 9th October 2019. © Elsevier, the Netherland, 2019. New and Future Developments in Microbial Biotechnology and Bioengineering: Microbial Biofilms: Current Research and Future Trends.
- Scopus Score: H-Index - 11, Citations – 287

I am actively engaged in academic activities, including course design, practical examination, and guiding students to successfully complete their project work.

Faculty Development Activity/Workshops

- Participated in the one-day seminar on Faculty development program at Sahyadri Science College (Autonomous) 15-03-2009.
- Participated in the one-week seminar on Faculty development program (online) on Roles of Chemical Science Towards Sustainable Development for Viksit Bharat" organized by the Department of Chemistry, under PM-USHA (MERU), 5th January 2026 to 10th January 2026 at Rani Channamma University, Belagavi.

Contact Details

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