

BIODATA

Dr. D. M. GURUDATT., M.Sc., Ph.D.,

Assistant Professor

Department of Studies in Organic Chemistry, University of Mysore
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EDUCATION

Ph.D* (Chemistry): Awarded in 2015 from Univeristy of Mysore.

M.Sc (Organic Chemistry): Completed in 2008 from KuvempuUniversity with 2nd rank.

B.Sc: Completed in 2006 from Yuvaraja's college, University of Mysore.

PROFESSIONAL DETAILS

Currently working as **Assistant Professor** at the Department of Studies in Organic Chemistry, University of Mysore, Manasagangotri, Mysuru since 04.10.2016 to till date.

TEACHING EXPERIENCE : 09years

Designation	Institute	Subject	Period
Assistant Professor	Sarada Vilas College, Mysuru	M.Sc., Chemistry	August 2014 to September 2016
Lecturer	JSS PU college for Women, Mysuru	Chemistry	August 2011 to March 2013
Guest faculty	University of Mysore	M.Sc., OrgnicChemistry	Nevenber2009 to August2011

RESEARCH EXPERIENCE : 07years

Designation	Institute/ Industry	Area	Period
Ph.D scholar	University of Mysore	Corrosion science	Nevenber 2009 to April 2014
Research Associate	Karnataka Chemsyn Limited, Bangalore	R & D	July 2008 to August 2009
PG student	Kuvempu University**	M.Sc., Project work	August 2007 to April 2008

RESEARCH PUBLICATIONS : 14(Annexure-I)

CONFERENCES/ SEMINARS/ SYMPOSIA : 13 (Annexure-II)

WORKSHOPS/TRAINING : 02

1. Industry oriented technology course on *Corrosion Control in Boilers and Heat Exchangers* conducted by the Central Electrochemical Research Institute (CECRI), Karaikudi, Tamilnadu.
2. Technical workshop on *Exploring SciFinder (Chemical Abstracts) for Scientific Research in Academia* held at University of Mysore.

OTHERS

- **Life member** : *Indian Science Congress Association*
 - **Editorial member** : *Strings Internatinal Journal*
 - Awarded **Best Poster** in *Trends in Chemical Research Conference* held at SJCE, Mysore.
 - Actively participated in conducting *SuvarnaManasa Exhibition* during February 2011 at University of Mysore, Manasagangotri, Mysuru.
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*Doctoral degree under the guidance of **Dr. K.N. Mohanaon** *Synthesis of some novel nitrogen containing heterocycles and study of their antioxidant activity and corrosion inhibition performance on mild steel.*

** Completed M.Sc., dissertation work at Dept. of Chemistry, Sahyadri Science College, Shimogaon *Synthesis and biological evaluation of Pyrazoline and Pyrimidinone derivatives via novel chalcone series.*

PERSONAL DETAILS

Full name	DoddahosuruMahadevappaGurudatt
Father name	Mahadevappa
Mother name	Shivamma
Date of Birth	03 February 1986
Nationality	INDIAN
Religion	Hindu
Languages known	Kannada, English

DECLARATION

I certify that the foregoing information is correct and complete to the best of my knowledge and belief and nothing is concealed/ distorted.

Place: Mysuru

Date:

Sd-/
(D. M. GURUDATT)

RESEARCH PUBLICATIONS :14

1. **D. M Gurudatt** and K. N Mohana. Synthesis of new pyridine based 1,3,4-oxadiazole derivatives and their corrosion inhibition performance on mild steel in 0.5 M hydrochloric acid. **Industrial and Engineering Chemistry Research** 53, 2014: 2092-2105 (**Impact factor: 2.843**)
2. **D. M Gurudatt** and K. N Mohana. Influence of some synthesized pyrimidine derivatives on corrosion inhibition of mild steel in hydrochloric acid medium. **European Journal of Chemistry** 5(1), 2014: 53-64. (**Impact factor: 0.803**)
3. **D. M Gurudatt** and K. N Mohana. Synthesis of new benzimidazole derivatives and their corrosion inhibition performance on mild steel In 0.5 M hydrochloric acid" **Journal of Applicable Chemistry** 2(5), 2013: 1296-1314. (**Impact factor: 1.291**)
4. K. N. Mohana, L. Mallesha and **D. M. Gurudatt**. Synthesis and antimicrobial activity of 5-aminoquinoline and 3-aminophenol derivatives". **International Journal of Drug Design and Discovery** 2, 2011: 584.
5. S. S. Shivakumara, K. N. Mohana and **D. M. Gurudatt**. 2013. Inhibition Performance and Adsorption Behavior of Spinacia Oleracea leaves extracts on mild steel corrosion in hydrochloric acid medium. **Chemical Science Transactions**. 2(1), 2013: 163-175.
6. D. Rakshith, P. Santosh, K. Tarman, **D. M. Gurudatt** and S. Satish. Dereplication strategy for antimicrobial metabolite using thin-layer chromatography-bioautography and LC-PDA-MS analysis **Journal of Planar Chromatography** 26(6), 2013: 470-474. (**Impact factor: 0.955**).
7. **D. M Gurudatt** and K. N Mohana. Synthesis of some new 1, 2, 4-triazole derivatives and their anticorrosion properties on mild steel in hydrochloric acid medium" **Journal of Molecular Liquids** 211, 2015: 275-287. (**Impact factor: 3.648**).
8. M Shyamsundar, K.V. Yatish, S.Z.M. Shamshuddin and **D. M. Gurudatt**. Biodiesel Production From Madhuca Indica Oil Over Zirconia Based Catalysts. **International Journal of Advanced Scientific Research and Publications (IJASRP)** 1 (1), 2015: 8-13.
9. **D. M Gurudatt**, K. N Mohana and H. C. Tandon. Adsorption and corrosion inhibition characteristics of some organic molecules containing methoxy phenyl moiety on mild steel in hydrochloric acid solution. **Materials Discovery** 2, 2015: 24-43.
10. H. C. Yashavantha Rao, S. Satish, D. Rakshith and **D. M. Gurudatt**. Implication of PKS type I gene and chromatographic strategy for the biodiscovery of antimicrobial polyketide metabolites from endosymbiotic *Nocardioopsis prasina* CLA68 **Sci Nat** 103, 2016: 45.
11. T. K. Chaitra, K. N. Mohana, **D. M. Gurudatt** and H. C. Tandon. Inhibition activity of new thiazolehydrazones towards mild steel corrosion in acid media by thermodynamic, electrochemical and quantum chemical methods. **Journal of the Taiwan Institute of Chemical Engineers** 67, 2016: 521-531.
12. D. Rakshith, P. Santosh, T. P. Pradeep, **D. M. Gurudatt**, Syed Baker, H. C. Yashavantha Rao, A. Pasha and S. Satish. Application of bioassay-guided fractionation coupled with a molecular approach for the dereplication of antimicrobial metabolites. 79, 2016: 1625-1642.
13. H. C. Yashavantha Rao, D. Rakshith, B. P. Harini, **D. M. Gurudatt**, S. Satish and Vijai Gupta. Chemogenomics driven discovery of endogenous polyketide anti-infective compounds from endosymbiotic *Emericella varicolor* CLB38 and their RNA secondary structure analysis. 2017. doi.org/10.1371/journal.pone.0172848.
14. G. Vinay, Mallikarjunswamy, **D. M. Gurudatt**, T. K. Chaitra, B. Veeresh and L. Mallesha. Synthesis of 1,2,4-triazole Derivatives and their Anticonvulsant Activity. **Journal of Applicable Chemistry** 8 (1), 2019: 89-96.
15. **D. M. Gurudatt**, K. N. Mohana, L. Mallesha and B. N. Prasannakumar. Synthesis of 8-bromo-5-morpholino-3-aryl-1,2,4-triazolo[4,3 f] pyrimidines as antioxidant and antimicrobial agents" **Advances in Chemistry**(communicated).
16. D. Rakshith, P. Santosh, **D. M. Gurudatt**, Syed Baker, H.C. Yashavantha Rao, Azmath Pasha and S. Integrated genomic and metabolomic approach to assess biosynthesis of

- polyketide mycoalexin by *Xylariapsidii* FPL-52(S) a mycoendo-symbiont from *Ficuspumila* Linn. (Moraceae). **Plant Physiology and Biochemistry**(Submitted/Under Review).
17. D. Rakshith, P. Santosh, **D. M. Gurudatt**, Syed Baker, H.C. Yashavantha Rao, Azmath Pasha and S. Satish. Molecular approach coupled with bio-activity guided fractionation to assess antimicrobial polyketide biosynthesis by *Xylaria* sp. FPL-25(M) a mycoendo-symbiont from *Ficuspumila* Linn. (Moraceae). **Symbiosis**(Submitted/Under Review)

CONFERENCES/ SEMINARS/ SYMPOSIA PARTICIPATED : 13

1. National seminar on **“Nano Technology Past Present and Future”** conducted by Dept of Chemistry, Jnana Sahyadri, Shankaragatta, Shimoga.
2. UGC sponsored national seminar conference on **“Materials: Nano to Macro Dimensionality and their Varied Applications”** held at Manonmaniam Sundaranar University Tirunelveli, Tamil Nadu on 28-29, January 2010.
3. UGC sponsored national seminar on **“Recent Trends in Chemical and Biological sciences”** held at Department of P. G. Studies & Research in Chemistry Kuvempu University, Shankaragatta, Shimoga, on 30-31, March 2010.
4. National symposium on **“Frontier Areas in Chemical Sciences and Nanotechnology”** held at Kuvempu University, Shankaragatta, Shimoga, May 1-2, 2010.
5. **“ANVESHAN 2010 Research convention (South zone)”** held at Calicut University, Calicut during 7-9, July 2010.
6. National conference on **“Social Relevance of Chemical Sciences”** held at Kuvempu University, Shankaragatta, Shimoga on 26-27, March 2011 (Poster presentation).
7. UGC sponsored state level seminar on **“Polymers and their Applications”** held at JSS College for Womens, Mysuru on 27-28, September 2012.
8. National conference on **“Recent Trends in Chemical Research”** held at SJCE, Mysore on 3-4, January 2014 and won **“Best poster award”**.
9. KSTA Regional conference on **“Science and Technology for Education and Health Care”** on 21st & 22nd February 2014 and presented poster.
10. National Seminar on **“Supramolecules and nanomaterials”** held on 22-23, August 2014 at St. Philomena’s College, Mysuru.
11. National conference on **“Recent trends in Bioorganic Chemistry and its Application to Society”** held on 26-27, September 2014 at Sarada Vilas College, Mysuru.
12. One day National Seminar on **“Chemistry and Chemical Biology”** held on 26 May 2015 at University of Mysore, Mysuru.
13. Participated in 103rd **“Indian Science Congress”** held on January 3-7, 2016 at University of Mysore.