



**DR. M. N. KUMARA**, M.Sc., B.Ed., Ph.D., ( Post-Doc in JAPAN )

**Associate Professor**

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**Karnataka State, INDIA**

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#### **EDUCATION:**

- Lower Primary, Govt. School, Manikyanahally, Pandavapura Taluk, Mandya District.
- Higher Primary, Govt. School, Bellalle, Pandavapura Taluk, Mandya District.
- Pre-University College, Govt. Boys College Mandya,
- **B.Sc.**, Govt. Boys College Mandya, May 1994, **Distinction.**
- **M. Sc.**, DOS in Chemistry, Manasagangothri, University of Mysore, June 1996, **I class.**
- **Ph.D.**, DOS in Chemistry, Manasagangothri, University of Mysore, **May 2001.**
- **Postdoctoral Research**, IMCE, Kyushu University, Fukoka, **Oct-2005 to April 2007, JAPAN.**

#### **PROFFESION:**

- **Teaching:14 Years**
- **Research: 23 Years**
- **2007 to 2019 : Assistant Professor** in Chemistry, Chemistry Department (UG&PG), Yuvaraja's College, University of Mysore, Mysuru-5700 05, **INDIA.**
- **2019 to Present : Associate Professor** in Chemistry, Chemistry Department (UG&PG), Yuvaraja's College, University of Mysore, Mysuru-5700 05, **INDIA.**

#### **AWARDS:**

- National Merit Scholarship-**1996**
- Prof. D.S. Mahadevappa **Gold medal** for having secured the highest marks in B.Sc., (Chemistry), University of Mysore, Mysore.
- Smt. Lakshmiddevamma **Gold medal** for having secured the highest marks in B.Sc., (Chemistry), University of Mysore, Mysore.

- Prof. B. Sayad Ali **Gold medal** for having secured the highest marks in B.Sc., (Chemistry), University of Mysore, Mysore.
- Prof. H.S. Sankegowda **Cash prize** for having secured the highest marks in B.Sc., (Chemistry), University of Mysore, Mysore.
- Junior Research Fellow- University Project Grant, University of Mysore, Mysore.
- **Postdoctoral Research fellow**, IMCE, Kyushu University, Fukoka, **JAPAN**

#### **MEMBERSHIP IN SCIENTIFIC SOCIETIES:**

- Membership of **American Association for the Advancement of Science**-2001
- Member of **Japan Chemical Society** (2006-2007)
- Life member- **Indian Council of Chemists** (LF-1439)
- Life member- **Indian Science Congress** (LF-24851)

#### **ACADEMIC COMMITTEE CHAIRMAN/MEMBER:**

- **Chairman**-Board of Examination (PG), Chemistry Department, Yuvaraja's College, Mysuru-05.
- **Chairman**-Board of Examination (UG), Chemistry Department, Yuvaraja's College, Mysuru-05.
- **Member**-Board of Examination (UG and PG), Chemistry Department, Yuvaraja's College/ Affiliated Colleges, UOM/Other universities Colleges.
- **Member**-Board of Studies (UG and PG), Chemistry Department, Yuvaraja's College/ Affiliated Colleges, UOM /Other Universities/ Colleges.

#### **PROFESSOR SELECTION COMMITTEE MEMBER:**

- Institute of Commerce and Arts College for Two Years from 01-11-2015 to 31-10-2017 as nominee of Mysore University.

#### **ADMINISTRATIVE RESPONSIBILITIES:**

- **Deputy Registrar (General) : 03-09-2013 to 10-01-2016**, University of Mysore, Mysuru-05
- **Special Officer (Ph.D. Section) : 16-07-2013 to 02-09-2013**, University of Mysore, Mysuru-05
- **Chief Superintendent of Examiner :**  
**15-10-2015 to 21-10-2015**, M.Tech. and LLM, GIML, Faridabad, Haryana and IITM, New Delhi.  
**30-11-2015 to 05-12-2015**, Al sai Education Centre, Ras Al Khaimah, **UAE**  
 University of Mysore Non-teaching departmental examination

**In-Charge Duties in Administration:**

- **Registrar**, UOM, Mysuru-05
- **Registrar (Evaluation)**, UOM, Mysuru-05
- **Director-PMEB**, University of Mysore, Mysuru-05
- **K-Set Coordinator**, UOM, Mysuru-05
- **Dy. Registrar(Syndicate)**, UOM, Mysuru-05

**University Representation:**

- Curriculum development with a view to enhance employability skills and preparing students for the world work organized by **Chitkara University** at **Chandigarh** on May 18<sup>th</sup> - 21<sup>st</sup> in **INDIA**.

**PROJECTS:**

- Synthesis and Mechanistic Investigation of Benzimidazole and Benzothiazole Derivatives (**UGC Sponsored Major Project**): 2012-2015: **7.15 Lakhs rupees**
- Natural products for Drug Synthesis (**IOE project**, University of Mysore): 2015-2017: **2.20 Lakh rupees**

**SEMINARS/CONFERENCES/WORK SHOPS ORGANISED:**

- **Member of Organizing Committee**: International Symposium on Challenges Drug Discovery Programme-2011(ISCDDP-2011): Held at KSOU, Manasagangotri, Mysore-06 on February 16<sup>th</sup> -17<sup>th</sup>, **2011** in **INDIA**.
- **Member of National Adviser Committee**: UGC sponsored national conference on recent trends in chemistry (RTC-2011): Held at P.E.S. College of science, Arts and Commerce, Mandya, on September 16<sup>th</sup> – 17<sup>th</sup>, **2011** in **INDIA**.
- **Working Committee Member**: State level 10<sup>th</sup> Kannada Science Congress : Held in University of Mysore, Mysore-5700 05, on September 15 -17<sup>th</sup>, **2014** in **INDIA**
- **Organizing Secretary**: Workshop on NMR/MRI, sponsored by DST, INDIA: Held at IOE, UOM, Mysuru-05 on November 15<sup>th</sup> - 21<sup>st</sup>, **2015** in **INDIA**.
- **Convener**: Workshop on computational method in small molecule and biopharmaceutical drug discovery: Held at IOE, UOM, Mysuru-05 on May 7<sup>th</sup> - 9<sup>th</sup>, **2015** in **INDIA**.
- **Member: Purchasing committee**: 105<sup>th</sup> The Indian Science Congress: Held at University of Mysore, Mysuru-05 on January 3<sup>rd</sup> - 7<sup>th</sup>, **2016** in **INDIA**.
- **Member**: Inter-University National Youth festival, Organized by UOM, Mysore-05 **2016** in **INDIA**.

**Ph. D., Student Guided:**

- **Awarded: 05**
- **Working :04**

**LIST OF PUBLICATIONS:**

**2021**

**55.** CO<sub>2</sub>(CO)<sub>8</sub> as a solid CO(gas) Source for the Amino Carbonylation of (hetero)Aryl Halides with Deactivated (hetero) Aryl Amines.

Srinivas Cheruku, Ayyiliath M Sajith, Yatheesh Narayana, Poornima Shetty, Sandhya C Nagarakere, Kunigal S Sagar, **Kumara N Manikyanahally** , K.S.Rangappa and K. Mantelingu

*Journal of Organic Chemistry*: 86(8), 5530-5537, **2021**

**54.** Degradation of Indigocarmine Dye by Oxidation using Chloramine-T in Acid Buffer Medium Catalyzed by Vanadium (V) Ion: A Kinetic and Mechanistic Study.

R.T. Radhika, Ravi. J. D.Saldanha, V. R. Kattimani, **M. N. Kumara** and B. M. Venkatesha

*Journal of Applicable Chemistry*: 10(1), 35-41, **2021**

**2020**

**53.** An efficient synthesis of medicinally important indole based triarylmethanes by using propylphosphonic anhydride(T3P).

**M.N.Kumara**, SrinivasCheruku, N.Chaithra, S. Poornima, H.A.Swarup, N.C.Sandy, K.Mantelingu

*Synthetic Communications*: 50(10), 1486-1494, **2020**

**2018**

**52.** Kinetics study of oxidative degradation of a Xanthene dye Erythrosine-B by CAT in acid medium: A spectrophotometric approach.

**M.N.Kumara**, B.C.Basavaraju, M. Harsha, K. Mantelingu

*Int. J. Creat. Res. Thoughts*: 6(2), 830-840, **2018**

**51.** Mild and Efficient Enantioselective synthesis of all stereo isomers of cordiarimide-B alkaloid and their Antioxident study.

**M.N.Kumara**, B.V.Jeevan, M. Umashankar

*Asian Journal of Chemistry*: 30(4), 927-932, **2018**

**50.** Physical and Biological Evaluation of Cordiatimide-B Isomers as a Multidrug Compounds.

**M.N.Kumara**, B.V.Jeevan, M. Umashankar

*ISOR Journal of Pharmacy*: 8(2), 60-67, **2018**

**49.** Mechanistic Investigation of Oxidative decolonization of an Azo dye Metanil Yellow by CAT in HCl acid medium: A spectrophotometric Approach.

**M.N.Kumara**, B.C.Basavaraju, M.Harsha, B.M.Chandrashekara

*Int. J. Res. Appl. Sci. Tech.*,: 6(1), 2165-2172, **2018**

**48.** Exploration of oxidative degradation of Acid Red-18 dye using CAT and CAB in acid medium.

**M.N.Kumara**, B.C.Basavaraju, M.Harsha, B.M.Chandrashekara

*Journal of Emerging Tecnologies and Innovative Research*: 5(1), 448-455, **2018**

**47.** Oxidative decolorisation of Food dye, Quinoline Yellow in the presence of sodium hydroxide and in Hydrochloric acid catalyzed by H<sup>+</sup>: A kinetic and mechanistic approach.

**M.N.Kumara**, M. Harsha, M. Umashamkar, S. Ananda

*Current Physical Chemistry*: 8(1), 10-12, **2018**

## **2017**

**46.** Nucleophilicities of Alcohols and Water in Acetonitrile based on reactivities of Benzhydrylium Ion.

**M.N.Kumara**, M.Fujio, M.Masaaki, Nakahara, S. Kobayashi

*Bull. Chem. Soc. Jpn*: 91, 523-530, **2017**

**45.** A significant approach in which carboxylic acid group prevents Bisindole formation when 2-formylbenzoic acid reacts with Indole.

K.M.Mahadevan, N.K.Lokanath, R.Anil Kumar, S.Naveen, **M.N.Kumara**

*Int. J. Chem. Tech. Research*: 10(7), 949-960, **2017**

**44.** Synthesis of some Benzothiazole derivatives and Kinetic study of their oxidation using CAT in acid medium.

M.Harsha and **M.N.Kumara**

*ISOR journal of applied Chemistry*: 10(6), 1-7, **2017**

**43.** 3-(1H-Indol-3-yl)-2-benzofuran-1(3H)-one.

R.Anilkumar, S. Naveen, T.O. M.AbdulRahiman, K.M.Mahadevan, **M.N.Kumara**, N.K.Lokanath, Ismail Warad

*International Union Crystallography Data*: 2(1), 170107, **2017**.

## **2016**

**42.** Synthesis, Crystal structure and Photoluminescence study of green light emitting bis(1[4-butylphenyl]imino)methyl naphthalene-2-ol) Ni(II) complex.

M.Srinivas, T.O.Shruneshkumar, K.M.Mahadevan, **M.N.Kumara**, N.K.Lokanath

*Journal of Science Advanced Materials and Devices:* 1(3), 324-329, **2016**

**41.** Kinetic and Mechanistic Investigation of Allura Red-AC by CAT in HCl medium: A spectroscopic Approach.

**M.N.Kumara** and M.Harsh

*Int. J. Current Research:* 8(8), 36931-36938, **2016**

**40.** Design, Synthesis and Molecular docking studies of 2-Aryl/Heteroaryl-Ethyl-6-Chloroquinoline-4-Carboxylates as potential antimalarial agents.

P.S.Sujanganapathy, **M.N.kumara**, T.O.S.Kumar, K.M.Mahadevan

*Letters in Drug Design and Discovery:* 13, 982-991, **2016**

**39.** 2-[(2-Fluorophenyl) (1H-indol-3-yl)methyl]-1-indol.

R.Anilkumar, S. Naveen, T.O. Shrugeshkumar, K.M.Mahadevan, **M.N.Kumara**, N.K.Lokanath

*International Union Crystallography Data:* 1(6), 160838, **2016**.

**38.** Synthesis of some benzimidazole derivatives and kinetics studies of their oxidation using CAT alkaline medium.

**M.N.Kumara** and M. Harsha

*Int.J.Current. Innovative. Research:* 2(6), 387-391, **2016**

**37.** 7-Hydro-3-(4-nitrophenyl)-2H-chromen-2-one.

Shasikanth Walki, S. Naveen, S.Kenchanna, K.M.Mahadevan, **M.N.Kumara**, N.K.Lokanath

*International Union Crystallography Data:* 1(3), 160329, **2016**.

**36.** Tandem approach for the synthesis of 3-sulfonylimidazo[1,5-a]pyridines from dithioesters.

A.B.Ramesh, C.S.Pavan Kumar, N.C.Sandya, **M.N.Kumara**, K.Mantelingu, K.S.Rangappa

*Royal Society Chemistry Advance:* 6(64), 48375-48378, **2016**

**35.** Synthesis and antiproliferative efficiency of novel bis(imidazole-1-yl)vinyl-1,2,4-oxadiazoles.

K.N.Nandish, H.A.Swarup, N.C.Sandya, C.D.Mohan, **M.N.Kumara**, K.Mantelingu, S. Ananda, K.S.Rangappa

*New Journal of Chemistry:* 40(3), 2823-2828, **2016**

**34.** Kinetic and mechanistic study of chloramine-T assisted color removal of tri-phenyl methylene dyes containing waste water: A spectrophotometric approach.

M.Harsha, M.Umashankar, K.M.Mahadevan, S. Ananda, M.N.Kumara

*Journal of Applied chemistry*: 5(5), 1175-1190, **2016**

**33.** 7-Hydro-3-(4-nitrophenyl)-2-2H-chromen-2-one.

Shasikanth Walki, S. Naveen, K.M.Mahadevan, M.N.Kumara, N.K.Lokanath

*Acta. Cryst. Section E*: 1, 1-3, **2016**

**32.** 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.Shrugeshkumar, M.N.Kumara, K.M.Mahadevan and N.K.Lokanath

*Der. Pharma. Chemica*: 8(1), 392-396, **2016**

## **2015**

**31.** Crystal structure of ethyl-2-(2,4,5-tri-methylphenyl)-quinolone-4-carboxylate.

T.O.Shrugesh Kumar, S.Naveen, M.N.Kumara, K.M.Mahadevan, and N.K. Lokanath

*Acta.Cryst.Section E: Crystallographic Communications*, 71, 121-122, **2015**

**30.** Crystal structure of 8-ethoxy-3-(4-nitrophenyl)-2H-chromen-2-one.

S.Walki, S.Naveen, S. Kenchanna, K.M.Mahadevan, M.N.Kumara

*Acta.Cryst.Section E: Crystallographic Communications*, 71(11), 860-861, **2015**

**29.** Detection and Qualification of trace level of ethylenediamine in morpholine and its impact on the quality of a pharmaceutical Candidate.

M.N.Kumara, P.G.Sajan, T. Rohith, Santhoshpatil

*Int. J. Pharm. Sci. Rev. Res.*,: 33(2), 242-247, **2015**

**28.** Hydrophobic interaction of 2-trifluoromethyl-N<sup>10</sup>-substituted phenoxazines with bovine serum albumin and reversal of drug resistance in bacterial cells.

B.T.sridhar, G.B.Eregowda, T. Padma, K.N.Thimmaiah, K.S.Rangappa, M.N.Kumara

*Inter.J.Pharmacy and Pharmaceutical science*: 7(7), 364-372, **2015**

**27.** A rapid and highly efficient gas chromatographic method for the separation and determination of bromofluorobenzaldehydes with the application of low thermal mass technology (LTM).

P. G. Sajan & M.N.Kumara

*Analytical Methods*: 7(23), 9971-9976, **2015**.

**26.** Antibacterial activities of phenoxazine derivatives.

K.N.Thimmaiah, **M.N.Kumara**, B.T.sridhar, K.Girish, B.C.Channu

*Journal of Chemical and Pharmaceutical Research*: 7(4), 1074, **2015**.

**25.** Crystal Structure of ethyl- 6-bromo-2-[(E)-2-phenylethenyl]quinolone-4-carboxylate.

K.M.Mahadevan, N.K.Lokanath, T.O. Shrungesh kumar, S, Naveen, **M.N.Kumara**,

*Acta.Cryst.: E* , 71, 121, **2015**.

**24.** Synthesis and molecular docking studies of 2-Aryl/Heteroaryl-6-chloroquinoline-4-carboxylic acids with plasmodium LDH receptor protein.

M.N.Kumara, T.O.Shrugesh Kumar, K.M. Mahadevan, P.S. Sujan ganaphathy.

*Int. J. Pharmacy and Pharmaceutical Science*: 7(1), 431-437, **2015**

## **2014**

**23.** RP-UPLC method development and validation for the quantitative determination of potential impurities of trimipramine maleate.P.G. Sajan and **M.N.kumara**

*Journal of Pharmacy Research*: 8(10), 1475-1479, **2014**.

**22.** A validated stability indicating RP-UPLC method for the quantitative determination of potential impurities of Allopurinol.

**M.N.Kumara**, P.G. Sajan, T. Rohith, Santosh patil, K. Mantelingu and K.S.Rangappa.

*American Journal of pharmacy and Health Research*: 2(10), 2321-3647, **2014**.

**21.** Crystal Structure of 1-[(2S\*, 4R\*)-6-fluro-2-methyl-1, 2, 3, 4-tetrahydroquinolin-4-yl] pyrrolin-2-one.

P.S. Pradeep, S, Naveen, **M.N.Kumara**, K.M.Mahadevan, N.K.Lokanath.

*Acta.Cryst. Section E: Structure reports Online*, 70(9), 153-156, **2014**.

**20.** Crystal structure of cis-1-(2-methyl-1-2,3,4-tetrahydroquinolin-4-yl) azepan-2-one.

P.S. Pradeep, S, Naveen, **M.N.Kumara**, K.M.Mahadevan, N.K.Lokanath.

*Acta.Cryst. Section E: Structure reports Online*, 70(9), 981-982, **2014**.

**19.** Syntesis and Fluorescence study of some new blue light emitting

3-(-1,3-benzothaizole/benzoxazol-2-yl)-2-H chromen-2-ones.

**M.N.Kumara**, K.M. Mahadevan, H,N Harish kumar, N.M.Jagadesh.

*SOP Transactions on Organic Chemistry*: 1(1), 20-30, 2014



**18.** Synthesis of novel  $\gamma$ -Carboline derivatives and their in silico studies on 5HT<sub>1</sub>, H<sub>1</sub> and CCR2 antagonist receptors.

**M.N.Kumara**, E. Siddalingamurthy, K.M. Mahadevan, N.M.Jagadesh.

***Int. J. Pharmacy and Pharmaceutical Science*: 6(10), 548-554, 2014.**

**17.** Ru(III) chloride-catalysed oxidation of some  $\alpha$ -amino acids by sodium-N-chloro-p-toluene sulfonamide(CAT) in hydrochloric acid medium: Mechanistic investigation and kinetic studies.

P.A.Prasanth, S. Ananda, K.S.Ramgappa, **M.N.Kumara**

***Journal of Molecular Catalysis A: Chemical*, 383, 203-208, 2014.**

**16.** Synthesis and Cytotoxic studies of 2,3-dimethylindoles and tetrahydrocarbazoles.

**M.N.Kumara**, T.O.Shrugesh Kumar, K.M. Mahadevan.

***Int. J. Pharmacy and Pharmaceutical Science*: 6(2), 137-140, 2014**

**15.** Synthesis and molecular docking studies of N-alkyl/Aryl-2-aryl indol-3-yl glyoxylamides as novel anticancer agents.

N.M.Jagadesh , K.M. Mahadevan,, **M.N.Kumara** and N.Prasanth

***Int. J. Pharmacy and Pharmaceutical Science* : 6(2), 921-926, 2014**

**14.** Synthesis of Indole carboxamides and their docking studies with H<sub>1</sub>, 5HT and CCR2 antagonist receptors.

E. Siddalingamurthy, K.M. Mahadevan, N.M.Jagadesh, **M.N.Kumara**.

***Am. J. Pharm Health Res.*,: 2, 245-258, 2014**

**13.** Synthesis and docking study of 3-(N-Alkyl/Aryl piperidyl) indoles with serotonin-5HT and CCR2 antagonist receptors.

E. Siddalingamurthy, K.M. Mahadevan, N.M.Jagadesh, **M.N.Kumara**.

***J. Pharmacy and Pharmaceutical Science*: 6(4), 475-482, 2014.**

## **2012**

**12.**RP-HPLC method development and validation of Desvenlafanine in bulk and pharmaceutical formulations.

S. N. Praveen Kumar, D.G. Bhadre gowda, **M. N. Kumara**, K. Mantelinu and K.S.Rangappa.

***Journal of Pharmacy Research.*, : 5(3), 1611-1613, 2012.**

**11.** Simultaneous determination of flupenthixol hydrochloride and melitracen hydrochloride in pharmaceutical dosage form by means of high-performance liquid chromatography.

S. N. Praveen Kumar, D.G. Bhadre gowda, **M. N. Kumara**, K. Mantelinu and K.S.Rangappa.

***Journal of Pharmacy Research.*, : 5(3), 1608-1610, 2012.**

**10.**  $\beta$ -Cyclodextrin Catalyzed Oxidation of Some  $\alpha$ -Amino acids with Chloramine-T in Alkaline Medium: Kinetics and Mechanistic Studies.

P. Prasantha, B. K. Kempegowda, D. G. Bhadregowda, K. Mantelingu, S. Ananda, Kanchugara Koppal S. Rangappa and **M. N. Kumara\***.

*Journal of Molecular Catalysis A: Chemical*, 353-354, 111-116, **2012**.

**9.** Trifluoroethanol as a metal-free, homogeneous and recyclable medium for the efficient one-pot synthesis of dihydropyrimidones.

S.V. Rashmi, Raghava, **M.N.Kumara**, K. Mantelingu and K.S. Rangappa

*Synthetic Communications.*, : 42, 424-433, **2012**.

## **2011**

**8.** Oxidation of L-Amino acids with Metal ion in Sulphuric Acid Medium: Effect of Nucleophilicity and Hydrophobicity on reaction rate.

**M. N. Kumara\***, K. Mantelingu, D. G. Bhadregowda, Kanchugara Koppal S. Rangappa

*Int. J. Chem. Kinet.*, : 43(11), 599-666, **2011**.

## **2009**

**7.** N-Bromosuccinimide assisted oxidation of tripeptides and their amino acid analogs: Synthesis, kinetics, and product studies.

**M. N. Kumara**, N. S. Linge Gowda, K. Mantelingu, Kanchugara Koppal S. Rangappa

*Journal of Molecular Catalysis A: Chemical.*,: 309, 172-177, **2009**.

## **2007**

**6.** N-Bromosuccinimide assisted Oxidation of hydrophobic tetrapeptide sequence of elastine: A mechanistic Study.

N. S. Lingegowda, **M. N. Kumara**, D. Channegowda, Kanchugara Koppal S Rangappa and Netkal M Madegowda.

*Journal of Molecular Catalysis A: Chemical.*,: 269, 225-233, **2007**.

## **2006**

**5.** N-bromosuccinimide Oxidation of Dipeptides and their Amino Acids: Synthesis, Kinetics and Mechanistic Studies

N. S. Linge gowda, **M. N. Kumara**, D. Channe gowda and K.S. Rangappa.

*Int. J. Chem. Kinet.*, : 38(6), 376-385, **2006**.

## **2004**

**4.** Anodically Generated Manganese(III) Sulfate for the Oxidation of Dipeptides in Aqueous Sulfuric Acid Medium: A Kinetic Study.

**M. N. Kumara**, D. Channe gowda, A. Thimme gowda and K.S. Rangappa

*Journal of Chemical Sciences.*,: 116(1), 49-53, **2004**.

## **2002**

**3.** Synthesis and Kinetics of Oxidation of Some Di-peptides with Anodically Generated Manganese(III) Sulphate: Mechanistic Study

**M. N. Kumara**, D. Channe gowda and K. S. Rangappa.

*Int. J. Chem. Kinet.*,: 34, 438-444, **2002**.

## **2001**

**2.** Synthesis and Kinetics of Oxidation of Phenylalanyl-Glycine, Isoleucyl-Glycine and Leucyl-Glycine with Anodically Generated Manganese (III) sulfate: A Mechanistic

**M. N. Kumara**, D. C. Channe gowda and K. S. Rangappa.

*Synth. React. Inorg. Met-Org.Chem.*, : 31(10), 1771-1785, **2001**.

**1.** Oxidation of Dipeptides with Mn(III):Synthesis, Characterization and Mechanistic Study

**M. N. Kumara**, D. C. Channegowda and K. S. Rangappa.

*React. Kinet. Catal. Lett.*,: 72(2), 331-342, **2001**.

## **CONFERENCE/SYMPOSIUM/WORKSHOPS (Paper Presented/Participated/Attended):**

### **2020**

**52. Poster presentation:** National level 107<sup>th</sup> Indian science Congress: Evaluation of ....Anticancer Agents: Held at University of Agricultural Sciences, Bangalore on January 3<sup>rd</sup> - 7<sup>th</sup>, **2020** in **INDIA**.

### **2019**

**51. Chairperson of the Session:** International conference on Material for Environment, Sustainable Society and Global Empowerment(MESSAGE-2019): Held at Department of Nanotechnology, Visvesvaraya Technological University, Center for Post-graduate studies, Bangalore Region, Muddenahalli, Chikkaballapura on December 19<sup>th</sup> - 20<sup>th</sup>, 2019 in **INDIA**.

**50. Poster Presentation:** National Conference in association with The Indian Science Congress Association, Bangalore Chapter on Science and Technology: Rural development: Held at Center for Materials Science and Technology, Vijnana Bhavana, UOM, Mysore on October 17<sup>th</sup> - 18<sup>th</sup>, 2019 in **INDIA**.

**49. Chairperson of the Session:** National Conference in association with The Indian Science Congress Association, Bangalore Chapter on Science and Technology: Rural development: Held at Center for Materials Science and Technology, Vijnana Bhavana, UOM, Mysore on October 17<sup>th</sup> - 18<sup>th</sup>, 2019 in **INDIA**.

**48. Poster Presentation:** National level conference and faculty development programme in Science and Technology: Oxidation of Orange-G by CAT in the presence of Acid and Base: A spectrophotometric Approach: Held at ATME College of Engineering, on March 26<sup>th</sup> - 28<sup>th</sup>, 2019 in **INDIA**.

**47. Poster Presentation:** International Conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC): Held at Center for Materials Science and Technology, Vijnana Bhavana, UOM, Mysore on March 18<sup>th</sup> - 20<sup>th</sup>, 2019 in **INDIA**.

**46. Participated:** UGC-SAP-DRS and UPE sponsored national seminar on recent innovations in medicinal and material chemistry (RIMMC-2019): Held at DOS in Chemistry, Manasagangothri, UOM, Mysore on March 8<sup>th</sup> - 9<sup>th</sup>, 2019 in **INDIA**.

## **2018**

**45. Invited Lecture:** National level 105<sup>th</sup> Indian science Congress: Mild and Efficient ...Antioxidation study: Held at Manipur University, Imphal, Manipura State on March 16<sup>th</sup> - 20<sup>th</sup>, 2018 in **INDIA**.

**44. Participated:** National conference on Current trends in materials Science-2018 (CTMS-2018): Held at Bharathi College, Bharathinagara, Maddur on March 10<sup>th</sup>, 2018 in **INDIA**.

**43. Poster presentation:** International symposium-2018 on developing drug for tomorrow (Challenges and Opportunities): Held at Adichunchanagiri Institute for Molecular Medicine, B.G.Nagara, Karnataka State on January 1<sup>st</sup> - 2<sup>nd</sup>, 2018 in **INDIA**.

## **2017**

**42. Participated:** National training on Application and trouble shooting of science equipment organized by IOE: Held at Vignana Bhavana, UOM, Mysore on December 1<sup>st</sup> - 8<sup>th</sup>, 2017 in **INDIA**.

**41. Poster presentation:** State level symposium on recent development in Science, engineering and technology (RDSET-2017): Held at ATME College of Engineering on October 10<sup>th</sup>, **2017** in **INDIA**.

**40. Chairperson of the Session:** National conference on recent trend in geo-science, material science and civil engineering (RTGMCE-2017): Held at ATME College of Engineering, on March 23<sup>rd</sup> - 24<sup>th</sup>, **2017** in **INDIA**.

## **2016**

**39. Participated:** UGC sponsored Refresher course on Material Science(Chemistry): Held at Academic Staff College, UOM, Manasagangothriy, Mysore-57006 on February 23<sup>rd</sup> - 14<sup>th</sup>, 2016, **INDIA**.

**38. Poster presentation:** National level 103<sup>rd</sup> Indian science Congress: Kinetic and Mechanistic study of Allura Red by CAT in H<sup>+</sup> ion: Held at UOM, DOS in Chemistry, Manasagangothri, Mysore on January 3<sup>rd</sup> - 7<sup>th</sup>, **2016** in **INDIA**.

## **2015**

**37. Participated:** National Conference on one day **International RTI Day**: Held at Gandhi Peace Foundation, 222-223, Deen Dayal Upadhyay Marg, **New Delhi** on September 28<sup>th</sup>, **2015** in **INDIA**.

**36. Oral presentation:** UGC and KSTA sponsored two days National Conference on enzyme research in agriculture, food and industrial biotechnology(NCERAFIB-2015): Synthesis and Characterization of N<sup>10</sup>- hexyl substituted-2-chlorophenoxazine-study of cytotoxicity, MDR and lipophilicity : Held at Maharani's Science College for women, Palace road, Bangalore-560001 on March 12<sup>th</sup> - 13<sup>th</sup>, **2015** in **INDIA**.

**35. Poster presentation:** UGC sponsored and Co-Sponsored KSTA National Conference on new approaches and Concepts in Microbial Biotechnology: Electrochemical investigation of DPCP and its application in redox titration involving CAT: Held at Maharani's Science College for women , Bangalore on September 29<sup>th</sup> - 30<sup>th</sup>, **2015** in **INDIA**.

**34. Poster presentation:** International Symposium on Chemical Biology approach to metabiomics, chemical genomics and epigenomics and second annual meeting of chemical biology society: Synthesis and ... Anti MDR activities. Held at UOM manasagangothri, Mysore on February 18<sup>th</sup> - 19<sup>th</sup>, **2015** in **INDIA**.

## **2014**

**33. Participated:** National Conference on Pure and Applied Chemistry (NACOPAC-2014): Held at Department of studies in Chemistry, Manasagangothry, UOM, Mysore-5700 06 on December 29<sup>th</sup> - 31<sup>st</sup>, **2014** in **INDIA**.

**32. Participated:** University level workshop on x-ray crystallography: Held at Department of studies in Physics, Manasagangothri, Mysore-5700 06 on November 10<sup>th</sup>, **2014** in **INDIA**

**31. Attended:** UGC sponsored National seminar on Statistical Methods and Data Analysis: Held at Yuvaraja's college, Mysore-5700 05 on September 26<sup>th</sup> - 27<sup>th</sup>, **2014** in **INDIA**

**30. Attended:** UGC sponsored National seminar on Educational Vision and Mission of Swami Vivekananda: Held at Yuvaraja's college, Mysore-5700 05, on August 18<sup>th</sup> - 19<sup>th</sup>, **2014** in **INDIA**

**29. Participated:** University level workshop on Intellectual property training and awareness: Held at IOE, Vijnana Bhavan, Mysore-5700 05, on April 10<sup>th</sup>, **2014** in **INDIA**

**28. Participated:** Department level workshop on syllabus framing for B.Sc., and M.Sc., degree semester scheme: Held at Department of Chemistry, Yuvaraja's college, Mysore-5700 05, on January 16<sup>th</sup> - 22<sup>nd</sup>, **2014** in **INDIA**

**27. Poster presentation:** International Symposium on Chemical Biology - Drug Discovery: Hydrophobic interaction of substituted phenoxazines with bovine serum albumin and reverse of drug resistance in bacterial cells. Held at Vijnana Bhavan, UOM, Mysore on January 9<sup>th</sup> - 10<sup>th</sup>, **2014** in **INDIA**.

## **2013**

**26. Participated:** State level training on Capacity Building for **SAKALA** Implementing Officers Organized by ATI, at ATI, Lalitha Mahal Road, mysore-570011 on November 15<sup>th</sup> and 16<sup>th</sup>, **2013** in **INDIA**

**25. Attended:** University level workshop on academic administration: Held at UGC-academic Staff College, UOM, Mysore on October 26<sup>th</sup>, **2013** in **INDIA**.

## **2012**

**24. Participated:** UGC sponsored Refresher course on Material Science(Chemistry): Held at Academic Staff College, UOM, Manasagangothriy Mysore-57006 on December 11<sup>th</sup> to 31<sup>th</sup>, **2012**, **INDIA**.

**23. Poster presentation:** National conference on impact of chemical biology on society (NCICBS-2012): Reactivity of nano-scale laser-flash photolytically generated substituted diarylmethyl carbocations with aliphatic substituted alcohols: Solvent nucleophilicity. Held at Department of Industrial Chemistry, Kuvempu University, Shimoga on April 26<sup>th</sup> – 27<sup>th</sup>, **2012** in **INDIA**.

## **2011**

**22. Poster presentation:** UGC sponsored international conference on synthesis and structural Chemistry (ICSSC-2011): Nanosecond Laser Flash Photolytic Generation of Substituted Di-aryl methyl Cations in Acetonitrile: Reactivity of Acidic Nucleophiles. Held at Department of studies in Chemistry, Mangalore University, Mangalore during December 8<sup>th</sup> - 10<sup>th</sup>, **2011** in **INDIA**.

**21. Attended:** College level one day seminar on chemistry and materials on the *occasion of International year of Chemistry 2011*: Held at Department of Chemistry and Department of Polymer Science and Technology, JSS college of engineering, Mysore-5700 05, on November 25<sup>th</sup>, **2011** in **INDIA**.

**20. Poster presentation:** UGC sponsored national conference on recent trends in chemistry (RTC-2011): Ru(III)-catalysed oxidation of some  $\alpha$ -aminoacids by sodium –N-chloro-p-toluenesulfonamide(CAT) in acid medium: Mechanistic investigation. Held at P.E.S.College of science, Arts and Commerce, Mandya on September 16<sup>th</sup> - 17<sup>th</sup>, **2011** in **INDIA**.

**19. Poster presentation:** International Symposium on Challenges Drug Discovery Programme-2011(ISCDDP-2011): Oxidation of L-Amino acids with Metal ion in Sulphuric Acid Medium: Effect of Nucleophilicity and Hydrophobicity on reaction rate. Held at KSOU, Manasagangotri, Mysore-6 on February 16<sup>th</sup> - 17<sup>th</sup>, **2011** in **INDIA**.

## **2010**

**18. Oral presentation:** The 20<sup>th</sup> International Conference on Physical Organic Chemistry: Nucleophilic Reactivity of n-Aliphatic Higher Alcohols in Acetonitrile: Held at Busan on August 22<sup>nd</sup> – 28<sup>th</sup>, **2010** in **SOUTH KOREA**.

## **2009**

**17. Poster presentation:** International Conference: Nucleophilicity and Hydrophobicity Effects on Reaction Rate: Oxidation of L-Amino acids by Metal ion in Sulphuric acid: Held at Central College, University of Bangalore, Bangalore, on December 18<sup>th</sup> - 19<sup>th</sup>, **2009** in **INDIA**.

**16. Poster presentation:** International Conference: Nucleophilic Reactivity of n-Aliphatic Higher Alcohols in Acetonitrile: Held at Central College, University of Bangalore, Bangalore, on December 18<sup>th</sup> - 19<sup>th</sup>, **2009** in **INDIA**.

**15. Attended:** State level seminar on Recent Developments in Nano Chemistry: An Overview: Held at Department of Chemistry, post graduation center, Government Science college, Hassan on October 10<sup>th</sup>, **2009** in **INDIA**.

**14. Poster presentation:** 5<sup>th</sup> International Conference on Material for Advanced Technologies (ICMAT-2009): N-Bromosuccinimide assisted oxidation of tri-peptides and their amino acid analogs: Synthesis, kinetics, and product studies: Held on June 28<sup>th</sup> - July 3<sup>rd</sup>, **2009** in **SINGAPORE**.

**13. Attended:** Sate Level Seminar on Relevance of Chemistry in Contemporary Society: Held at P. E. S. College of Science, Arts and Commerce, Mandya on 20<sup>th</sup> March, **2009** in **INDIA**.

**12. Attended:** 38<sup>th</sup> National seminar on Crystallography: Held at Department of Geology Mansangotri, University of Mysore, Mysore on February, 11<sup>th</sup> -13<sup>th</sup>, **2009** in **INDIA**.

## **2008**

**11. Participated:** UGC sponsored Orientation Program: Held at Academic Staff College, UOM, Manasagangothry, Mysore-57006 on January 3<sup>rd</sup> - 30<sup>th</sup>, 2008, **INDIA**.

**10. Attended:** State Level Seminar on Resent Trends in Chemistry: Held at Bharathi College, Bharathinagara on September 13<sup>th</sup>, **2008** in **INDIA**.

## **2007**

**9. Oral presentation:** 11<sup>th</sup> European Symposium on Organic Reactivity: Nucleophilicity of Alcohols and Acids in the reaction of Carbocations held at Faro on July 2<sup>nd</sup> - 7<sup>th</sup>, **2007** in **PORTUGAL**.

**8. Poster presentation:** Annual conference: Nucleophilicity and Steric effect of Neutral molecules in reaction of carbocations held at Osaka, on March 25<sup>th</sup> -28<sup>th</sup>, **2007** in **JAPAN**.

## **2006**

**7. Oral presentation:** National conference: Nucleophilicity of Solvent effect on Neutral molecules in reaction of Carbocations held at Kyushu University on September 30<sup>th</sup>, **2006** in **JAPAN**.



**6. Oral presentation:** National conference: Nucleophilicity of Neutral molecules towards carbocations held at Kyushu University on July 12<sup>th</sup> , **2006** in JAPAN.

**5. Oral presentation:** Annual conference: Nucleophilicity and Steric Effects of Neutral molecules in reactions of Carbocations held at Tokyo on March 27<sup>th</sup> -30<sup>th</sup> , **2006** in JAPAN.

#### **2005**

**4. Attended:** National symposium on Bioorganic and Medicinal Chemistry: Held at DOS in Chemistry, University of Mysore on October 5<sup>th</sup> -7<sup>th</sup> , **2005** in **INDIA**.

#### **2001**

**3. Poster presentation:** 20<sup>th</sup> Indian council of chemistry conference: Synthesis and Kinetics of Oxidation of Some Di-peptides with Anodically Generated Manganese(III) Sulphate: Mechanistic Study held at DOS in Chemistry, University of Mysore on December 22<sup>nd</sup> -24<sup>th</sup> , **2001** in **INDIA**.

#### **1999**

**2. Poster presentation:** National conference on Recent Trends in Structures, Functions, Analysis of Molecules and Applications. Synthesis and Kinetics of Oxidation of Phenylalanyl-Glycine, Isoleucyl-Glycine and Leucyl-Glycine with Anodically Generated Manganese (III) sulfate: A Mechanistic held at DOS in Chemistry, University of Mysore on October 28<sup>th</sup> -30<sup>th</sup> , **1999** in **INDIA**.

#### **1998**

**1. Poster presentation:** The third national symposium: Project on correlation analysis in Chemistry. Oxidation of Dipeptides with Mn(III):Synthesis, Characterization and Mechanistic Study held at DOS in Chemistry, University of Mysore on September 21<sup>st</sup> -22<sup>nd</sup> , **1998**, **INDIA**.