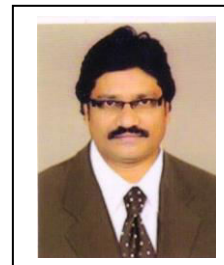


**MAHATMA GANDHI INSTITUTE OF TECHNOLOGY**  
**Gandipet, Hyderabad 500 075**

**FACULTY PROFILE**

1. Name : Dr.M.Ravi Chandar
2. JNTUH REGISTRATION ID : 40150405-233144
3. DATE OF BIRTH :22-10-1966
4. DESIGNATION : Associate Professor of Chemistry &  
Head, Department of Physics & Chemistry
5. YEARS OF EXPERIENCE : 26
6. EMAIL ID : hodpandc@mgit.ac.in & ravichandra@mgit.ac.in
7. UG DEGREE : B.Sc
8. PG DEGREE : M.Sc., MBA
9. PH.D(AREA OF THE PH.D WORK) : Organic Chemistry
10. SUBJECTS TAUGHT : Engineering Chemistry (Theory & Lab)  
Metallurgical Analysis (Theory & Lab)  
Environmental Studies  
Electrometallurgy & Corrosion (Theory & Lab)  
Plastics & Polymeric Materials  
Fuels & Lubricants Laboratory



11. PAPER PUBLICATIONS IN INTERNATIONAL JOURNALS : 18

- a. R.Radhakrishnam Raju, A.Kalyanachakravarthy, **M.Ravi Chandar** and R.Mahendrashiradkar: Facile Synthesis of (4-Pheny-1,2,4-Triazol-5-yl-Methyl-1,2,3,4-Tetraxzol-2-Yl)-2H –Chromenes. *Int J Curr Pharm Res*, 2012, Vol 4, Issue 4, 54-57, ,(Sept 2012, ISSN: 0975-7066,)
- b. Ramchander Merugu, **Ravi Chandar Maroju**, Sabina Harold, Madhusudhan Rao V, Nagaraju Devanuri Bioremediation of sewage waste waters by the phototropic bacterial consortium isolated from paddy fields: *International journal of ChemTech Research*, 2014 – 2015, Vol-7,No.6, pp2636-2644: (CODEN(USA): IJGG,ISSN:0974-4290)
- c. Swetha Parsha, Dr.Y.Ravindra Kumar, **M.Ravi Chandar**: A Validated method for determination of Metabisulfite content in Cetrizine Dihydrochloride and Ambroxol Hydrochloride 5+30mg/5mL syrup by Ion exchange chromatography . *IOSR Journal of Pharmacy and Biological Sciences*: Volume 9, Issue 5 Ver.III (Sept-Oct 2014), PP 24-28 : (ISR-JPBS), e-ISSN: 2278-3008, p-ISSN:2319-7676)
- d. Sreedhar Maroju, P.Naveen Kumar, **Ravi Chandar Maroju**, Ganapathy Velupula, Abdul Haq and T.Ravi Prasad: Synthesis of Novel Potential DNA Cross Linking New Anti Neoplastic Alkylating Agents: *Journal of Applicable Chemistry* – Nov 2014, 3 (6), 2573-2585 - (ISSN : 2278-1862)

- e. Swetha Parsha, Dr.Y.Ravindra Kumar, **M.RaviChandar**: Avalidated ion chromatography method for determination of Bromoacetate in a key starting material of Dabigatran : *Int j Pharm Biomed Res* -2014, 5(3), 74-77 : (ISSN NO. 0976-0350)
- f. Ananda Reddy Gunreddy, **Ravi Chandar Maroju**, Jalapathi Pochampalli and Laxminarayana Eppakayala: Antimicrobial activity of Oxadiazole, thiazolidin-4-one and azetid-2-one derivatives of 1H-imidazo[4,5-b]pyridine : *Research journal of Pharmaceutical, biological and chemical sciences* - 2015, RJPBS, Jan-Feb 2015, 6(1), 1402-1406: (ISSN:0975-8585)
- g. **Maroju RaviChandar**, Gunreddy Ananda Rddy, Vadlapudi Malathi, Jalapathi Pochampalli and jakomuraiah Thampu: Synthesis, antimicrobial and ion exchange studies of some terpolymer resins derived from substituted resorcinol, biuret and formaldehyde: *Journal of Chemical and Pharmaceutical Research*, 2015, 7(9):868-871: (ISSN : 0975-7384)
- h. Y.Ravindra Kumar, **M.Ravi Chandar**: LC–MS/MS and NMR Characterization of Key Impurities in Linagliptin and Pramipexole : *Journal of Liquid Chromatography & Related Technologies*, , September 2015., (ISSN:1082-6076(print), 1520-572X(online)
- i. Radhakrishnamraju Ruddarraju, Adharvana Chari Murugulla Ravinder Kotla, Muni Chandra Babu Tirumalasetty, Rajendra Wudayagiri, , Shobha Donthabakthuni, Ravi Chandar Maroju , K. Babu Rao and Lakshmana Swamy Parasa: Design, synthesis, anticancer activities and molecular docking studies of theophylline containing Acetylenes and Theophylline containing 1,2,3-triazoles with variant nucleoside derivatives: *European Journal of Medicinal Chemistry* 123 (2016), 379-396: (ISSN:0223-5234)
- j. **Maroju Ravi Chandar**, Bundaarapu Neelamma, Gunreddy Ananda Reddy and Devanapelly Shashikantha Rao Antimicrobial Evaluation of Some Newly Synthesized Terpolymer Resins Derived From Substituted Resorcinol Biuret and Furfural: *Journal of Chemical and Pharmaceutical Research*, 2016, 8(4), 390-394: (ISSN:0975-7384, CODEN(USA): JCPRC5)
- k. Radhakrishnamraju Ruddarraju, Adharvana Chari Murugulla, Shobha Donthabakthuni, Ravinder Kotla , Sandeep Deshmukh, **Ravi Chandar Maroju** and Sadhanandam palle: Efficient Synthesis of Pyrrolo [2,3-d] Pyrimidines Containing 1,4-Disubstituted-1,2,3-Triazole Derivatives: *Journal of Heterocyclic Chemistry* – 2016, Wiley Periodicals, Inc.:(ISSN-1943-5193)
- l. **Maroju Ravi Chandar**, Budarapu Neelamma, Bathini Chandramouli, and Devanapelly Shashikantha Rao: Synthesis, antimicrobial screening studies of some terpolymer resins derived from 2,4- dihydroxyphenyl alkyl ketone, melamine and furfural: *World Journal of Pharmacy and Pharmaceutical Sciences* – 2016, Volume 5, Issue 6, XXX-XXX: (ISSN: 2278-457)

- m. M. Ravi Chandar, P. Vijaya Babu, Chandra Sekhar, K. Sadashiv Patil: Development of chromatographic method and validation stability-indicating three impurities and their degradation products in tolvaptan tablets: *World Journal of Pharmaceutical Research*, Volume 5, Issue 8, 1205-1221: (ISSN 2277– 7105)
- n. Radhakrishnamraju Ruddarraju, Adharvana Chari Murugulla Ravinder Kotla, Muni Chandra Babu Tirumalasetty, Rajendra Wudayagiri, , Shobha Donthabakthuni, *Ravi Chandar Maroju* Design, synthesis, anticancer activity and docking studies of theophylline containing 1,2,3-triazoles with variant amide derivatives: *MedChemComm*,2017,8,176.(M.,*Med.Chem.Commun.*,2016,DOI:10.1039/C6MD00479
- o. Kumaraswamy Gullapelli, M. Ravichander, P. Bhaskar, K. Jagadeesh Babu, G.B rahmeshwari: Synthesis of 1,3,5 Trazinane-2-ones and 1,3,5 Oxadiazinane-2-ones linked with Benzimidazoles: *Asian J. Research Chem.* 10(4): July- August 2017- ISSN 0974-4169 (Print) 0974-4150 (Online)
- p. Kumaraswamy Gullapelli , G.Brahmeshwari , M. Ravichander , Uma Kusuma: Synthesis, antibacterial and molecular docking studies of new benzimidazole derivatives: *Egyptian Journal of Basic and Applied Sciences* 4 (2017) 303–309
- q. Kumaraswamy G , Brahmeshwari G, Ravichander M , JagadeeshBabu K , Srinivas B. Simple and Efficient, Silica Supported Oxon Catalyzed One-pot Synthesis of 2-Aryl Benzimidazoles: *Der Pharma Chemica*, 2018, 10(2)50-52-(ISSN 0975-413X CODEN (USA): PCHHAX)
- r. A Facile Synthesis of 1- Aryl Pyrroles by Clauson-Kaas reaction using Oxone as a Catalyst under Microwave Irradiation. Kumaraswamy Gullapelli, M.Ravichander, G.Brahmeshwari. *Bulletin of the Chemical Society of Ethiopia (Accepted)*

## 12. PAPER PUBLICATIONS IN INTERNATIONAL CONFERENCES : 7

- a. AlF<sub>3</sub> Supported V-Oxide Catalyst: Physicochemical Characterization and Ammoxidation of 3-Picoline to Nicotinonitrile, 2<sup>nd</sup> International Indo – German Symposium, 29<sup>th</sup> to 31<sup>st</sup> October 2012, Institute of Chemical Technology – Mumbai
- b. Paper presented on Effect of Fluorine in F-Li<sub>2</sub>O-SrO-Bi<sub>2</sub>O<sub>3</sub> Glasses –IR, Raman and Optical absorption studies, International conference on Nano, Bio and Material Sciences, Dept of Physics, Nizam College, O.U, Hyd from 8<sup>th</sup> to 10<sup>th</sup> January 2014
- c. Paper presented on Vapour phase coupling of Cyclohexanol dehydrogenation and Cinnamaldehyde hydrogenation over Cu/SiO<sub>2</sub> catayst, – International conference on New Dimensions in Cheimistry and Chemical Technologies – Appication in Pharma Industry (under Tequip – II) Centre for Chemical Science & Technology, IST – JNTUH – Hyderabad from 23 to 25 June 2014
- d. Poster presented on 2D,3D Mesoporous Silica supported Pd catalyst for Hydrogenation of Cyclohexenone, International conference on Trend Setting Innovations in Chemical Sciences & Technology – Applications in Pharma Industry (TSCST - API, 2015.Under Tequip – II), Centre for Chemical Sciences and Technology, Institute of Sciences and Technology, JNTUH – Hyderabad from 16th to 18th Dec 2015

- e. Paper presented on Highly active and selective SBA-15 supported Pd Catalysts for vapour phase Hydrogenation of Isophorone, International conference on Trend Setting Innovations in Chemical Sciences & Technology - Nature inspired Chemistry & Engineering, Institute of Science & Technology, JNTUH from 4th to 6th Oct. 2016 (Sponsored by TEQUIP-II)
- f. Paper presented on "A facile synthesis of New Benzimidazole derivatives by using NaHSO<sub>4</sub> - SiO<sub>2</sub> as a eco-friendly catalyst, International conference on Green Trends in Environmental Sustainability – 2016, on 16th & 17th December 2016, Dept. of Botany & Zoology, St Ann's College for women Hyderabad
- g. Presented poster in International Conference on Chemistry for Sustainable Future organized by Department of Integrated Chemistry, Palamuru University, Mahabubnagar on 7<sup>th</sup> -9<sup>th</sup> August 2018. *An efficient synthesis of 2-3, disubstituted -6,7-dihydro-1H-imidazole [1,2-a] [1,3] diazepin-8(5H)ones.*

#### 13. PAPER PUBLICATIONS IN NATIONAL JOURNALS : 5

- a. M.Ravi Chandar, K.Nagi Reddy and T.Ravi Prasad : Kinetics of Rh(III) catalysed oxidation of some Cyclic alcohols in aqueous alkaline medium: PCAIJ,3(2-3), December,2008 (121-125): (Trade Science Inc : Physical Chemistry-an Indian Journal. ISSN : 0974-7524)
- b. P.Kondal Reddy, M.Ravi Chandar, T.Ravi Prasad and K.Nagi Reddy: Kinetics of Rh(III) catalysed oxidation of some aliphatic amines by DPC in aqueous alkaline medium: *Acta Ciencia Indica*, XXXV C ,No 1, 87-92, 2009: (ISSN : 0253-7338)
- c. M.Ravi Chandar, K.Nagi Reddy, T.Ravi Prasad and P.Kondal Reddy: Kinetics of Rh(III) catalysed oxidation of some Aromatic aldehydes by DPC in aqueous alkaline medium : *Bulletin of Pure and Applied Sciences*, Vol29C, No-1,2010, P.9-18: ( ISSN: 0970-4620)
- d. Swetha Parsha, Dr.Y.Ravindra Kumar, Dr.M.Ravi Chandar : A Validated Ion Chromatography method for determination of Ammonium content in Omeprazole tablets: Indian Journal of Pharmaceutical and Biological Research, (Indian J.Pharm Biol.Res), 2014, 2(3), 90-95: (CODEN (USA): IJPB07, ISSN: 2320-9267)
- e. M.Ravi Chandar, K.Nagi Reddy and T.Ravi Prasad: Kinetics of Rhodium(III) catalysed oxidation of some aromatic ketones by DPC(III) in aqueous alkaline medium : *Bulletin of Pure and Applied sciences*, Vol.33C-Chemistry (No.1-2), OCT 2014:55-65: ISSN: 0970-4620, online: 2320-320X

#### 14. PAPER PUBLICATIONS IN NATIONAL CONFERENCES : 13

- a. Poster presented on Synthesis of Novel 1,4-Dihydro-Pyrazine[2,3,6]Pyrazine-2,3-dione linked 1,2,3 triazole derivatives as antimicrobial and anticancer agents, National conference on Frontiers of Chemical Research, JNTUH, Hyderabad on 25<sup>th</sup> and 26<sup>th</sup> October 2013

- b. Poster presented on  $\text{AlF}_3$  as an efficient support for V- Oxide catalysts in the ammoxidation of 3-Picoline to nicotinonitrile, National conference on Frontiers of Chemical Research, JNTUH, Hyderabad on 25<sup>th</sup> and 26<sup>th</sup> October 2013
- c. Paper presented on "A study indicating LCMS/MS method for determination of Esomeprazole Genotoxic impurities, National Conference on Emerging Trends in Science, Technology & Management (NCETSTM 2K14) under TEQUIP-II, Mallareddy Engineering college, Hyderabad, 8th and 9th Aug 2014
- d. Paper presented on "Synthesis of Novel heterocyclic compounds of N-(3,4-substituted phenyl) – 2- oxooxazolidin – 5yl)methyl) pyrrolidine-2-carboxamides, DST- Sponsored National Conference on Sustainability through Chemical and Biological Sciences (NCSCB – 2015), 19<sup>th</sup> and 20<sup>th</sup> March 2015 at MGIT, Hyderabad
- e. Poster presented on Kinetics of Rhodium(III) catalysed oxidation of some cyclic ketones by deperiodatocuprate(III) in aqueous alkaline medium, DST Sponsored National Conference on Sustainability through Chemical and Biological Sciences, Dept of Physics & Chemistry, Mahatma Gandhi Institute of Technology, Hyderabad on 19<sup>th</sup> and 20<sup>th</sup> March 2015
- f. Poster presented on Is it Possible to perform hydrogenation reaction in the absence of hydrogen in a continuous mode under gas phase conditions, UGC sponsored national seminar on Recent Advances in Chemistry(RAC – 2015), Dept of Chemistry, Kakatiya University, Warangal.30 & 31 March 2015
- g. Poster presented on Synthesis and antimicrobial evolution of Novel substituted Arylamide analogues, National conference on Recent advances in chemical and pharmaceutical sciences, JNTUH College of Engineering, Jagtial, Karimnagar District. 10 & 11 Aug 2015
- h. Paper presented on Poly Ethylene Glycol (PEG-400) – an efficient green reaction medium for the alkylation of 3,4 dihydroxy thiophene 2,4- dicarboxylic esters or their alkali metals or alkaline earth metal salts, Engineering Trends and Challenges in Chemical Research, Dept of Chemistry, Govt. Degree & P.G. College, Bhadrachalam – Khammam Dist. on 17<sup>th</sup> and 18<sup>th</sup> Dec 2015
- i. Potential of  $\text{Cu/SiO}_2$  catalysts for coupling two industrially important reactions in one step in a gas phase continuous process, National conference on emerging trends in pharmaceutical and chemical sciences (ETPCS-2016), Dept of Chemistry, S.V.University, Tirupati sponsored by UGC- SAP on 28th and 29th March 2016
- j. Impact of surface area on the activity of  $\text{Cu/Al}_2\text{O}_3$  catalysts for simultaneous coupling of two industrially important reactions in one step, National conference on emerging trends in pharmaceutical and chemical sciences (ETPCS-2016), Dept of Chemistry, S.V.University, Tirupati sponsored by UGC- SAP, 28th and 29th March 2016
- k. Paper presented on "Synthesis of New 1-(1H-Benzo [d]imidazole-2-yl) -3,6-diaryl -4,thiazo -1,3,5triazinon-2-ones, national Seminar on the "Role of Chemistry in Human Health and Environment" on 27th & 28th January 2017, Govt College, Sathupally - Khammam dist.

- l. An efficient photocatalytic synthesis of benzimidazoles using cobalt doped TiO<sub>2</sub> under solar light irradiation, Recent trends and challenges in chemical sciences, 24-25 march 2017 –UGC sponsored, dept of chem., KU, Warangal
  - m. Presented poster in National Seminar on Recent Challenges in Chemical Research (**RCCR-2018**) organized by Department of Chemistry, Kakatiya University on 28-29<sup>th</sup> March -2018. *A facile synthesis of 1- Aryl pyrroles by Clauson-Kaas reaction using Oxon as a catalyst under microwave irradiation*
  15. RESEARCH GUIDANCE: 3
  16. No of PH.Ds awarded : 2
  17. **CONTRIBUTIONS AT THE DEPARTMENTAL LEVEL:** Head-Dept of Physics & Chemistry (From the inception)(Established the Department with required infrastructure and Laboratories).
  18. **CONTRIBUTIONS AT THE COLLEGE LEVEL:** Incharge - Purified Drinking Water Plants, Program Officer - NSS Unit, Incharge - First Year Sections, Faculty Incharge - Student Activity Clubs, Member - Anti Ragging Committee, Member – Academic Advisory committee, Advisory Committee Member & Publicity Committee Convener- Nirvana, Incharge - Press & Media, Member – Women Welfare & Committee on Grievances on Sexual Harassment, worked as Deputy Incharge - Academic & Examination Sections, BOS Member - Vidya Jyothi Institute of Technology, Hyderabad, Formerly BOS Member - JNTUH
  19. REFRESHER COURSES/ WORKSHOPS/CONFERENCES ATTENDED:6
  20. WORKSHOPS/ CONFERENCES/SEMINARS/FDP's ORGANIZED:3
  21. INVITED LECTURES DELIVERED:3
  22. MEMBERSHIP OF PROFESSIONAL BODIES: Life Member - ISTE
  23. ANY OTHER CONTRIBUTION : Organized various social, cultural and student activities and special camps at nearby villages, Vice Chairman – Nirvana'17, Conducted Swachha Bharat Summer Internship Program, Swachhata Pakhwada Programs and Induction Program (for First year Students) as per the guidelines of State & Central Governments and JNTUH.
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