

Dr. Maroju Ravichander

Associate Professor & Head



Education Qualifications: Doctor of Philosophy (Chemistry)
Specialization: Organic Chemistry

ADDRESS:

- A – Block -Room No. A008

JNTUH ID:

40150405-233144

EMAIL:

mrvichandar_chem@mgit.ac.in

DATE OF JOINING:

05-11-1998

EXPERIENCE - 30 Years

- Teaching – 30
- Research – 13 (Inclusive of Teaching)

SUMMARY:

- Publications -37
- Conferences - 40

EVENTS:

- Organized - 12
- Attended - 72

LET'S MEET ON SOCIAL:

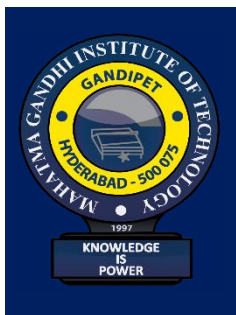
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Membership of Professional Bodies:

1. Life Member – Indian Red Cross Society
2. Life Member - Indian Society for Technical Education (ISTE)

Responsibilities Held at Institution Level:

1. Incharge – I year sections
2. Incharge – Induction Program for I year sections
3. Faculty Incharge – Student Clubs
4. Member Convener – Academic Planning and Evaluation Committee
5. Member Convener - Public Relations Committee
6. Member Convener: Co-Curricular Activities Committee
7. Program Officer – NSS Unit (Conducted various programmes, special camps and UBA activities)
8. Incharge – Press & Media
9. Incharge – Purified drinking water plants
10. Member - Women welfare and Committee on Grievances on Harassment
11. Additional Incharge – AES
12. Member of NBA Core Committee
13. Organizing Committee Member - Nirvana
14. Incharge – Timetables
15. Vice-Chairman: Nirvana (College Annual day Celebrations)
16. Faculty Adviser – Musings (College Magazine)
17. Member - Disciplinary Committee
18. Member – Grievance Redressal Committee
19. Member - Academic council
20. Member: Anti-ragging Committee
21. Member - Institution development Committee
22. Member: Industry – Academic Collaboration Committee
23. Member – Library Committee
24. Member - IQAC
25. Member – Taskforce Group for Covid-19
26. Convener: Publicity committee – Nirvana (College Annual day Celebrations)
27. Member – Exams and results committee
28. Member – Student Affairs Committee
29. Member of various committees constituted on different occasions
30. Established some of the Laboratories of MME Department as Incharge in addition to Department laboratories and procurement of infrastructure

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Responsibilities Held at Department Level:

1. Head of the Department since 1st November 2011
2. Chairman – Board of Studies for Chemistry, MGIT
3. Chairman – Board of Studies for Environmental Science, MGIT
4. Chairman – Department Advisory Committee
5. Member Convener – Removal of Obsolescence Committee
6. Member – Research Project Monitoring Committees

Research Guidance:

1. Two Ph.Ds awarded under the Co-supervision (Ms. Swetha Parsha – May, 2017 & Mr. R. Radhakrishnam Raju – October, 2017)

Courses Handled at Undergraduate /Postgraduate Level:**UG:**

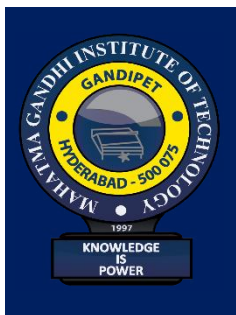
1. Engineering Chemistry (Theory & Lab)
2. Metallurgical Analysis (Theory & Lab)
3. Environmental Studies
4. Electrometallurgy & Corrosion (Theory & Lab)
5. Plastics & Polymeric Materials
6. Fuels & Lubricants Laboratory
7. B.Sc (Organic Chemistry)

PG:

1. M.Sc (Reaction Mechanisms, Natural Products)

Publications:

1. Veeranki Krishna Chaitanya, Pochampally Jalapathi, Maraju Ravi Chandar, Thumma Vishnu, “Synthesis of Novel 4-(3-nitro-2H-chromen-2-yl)-1,3- diphenyl-1H-pyrazole analogues”, Research Journal of Chemistry and Environment, Vol. 27 (2), 35-38. February 2023. (Scopus)
2. V. Krishna Chaitanya, P. Jalapathi , M. Ravi Chandar, T. Vishnu, “Design, synthesis of N-(4-(3-bromophenyl)thiazol-2-yl)-1- azaheteryl carboxamides and their Anticancer Evaluation against MCF-7 Cell Line”, Heterocyclic Letters, Vol. 13, No.1, 143-156, January 2023. (WOS)
3. V. Krishna Chaitanya, P. Jalapathi, M. Ravi Chandar, T. Vishnu, M. Veerabhadraiah, M. Raghavender, “Novel hybrid molecules based on triazole quinoline as potential anticancer agents: screening on MCF 7 cell line, docking studies, and pharmacokinetics evaluation”, Journal of the Iranian Chemical Society, 20, 995-1006, January 2023. (Springer)
4. Krishna Chaitanya Veeranki, Jalapathi Pochampally, Ravi Chander Maraju, “Synthesis of Novel Biaryl Fused Thiazolo[3,2-b][1,2,4]triazol-2- amines from Thiazole Amine Involving Suzuki Coupling Reaction under Microwave Irradiation”, Asian Journal of Chemistry; Vol. 35, No. 2 (2023), 431-434, January 2023.
5. Krishna Chaitanya Veeranki, Jalapathi Pochampally, Ravi Chander Maraju, Vishnu Thumma, And Lakshmi Satya Boddu, “1,2,3-Triazoles containing Thiazole-Piperazine Moieties: Synthesis, Biological Assessment and Molecular Docking”, Asian Journal of Chemistry; Vol. 35, No. 1 (2023), 125-134, (December 2022 - Online).
6. Ravichandar Maraju , Raju Vadlakonda , Murali Krishna T, Bhasker Pittala & Kumara swamy Gullapelli, “Synthesis of new imidazopyridine based 1,2,3-triazoles: Evaluation of antibacterial,

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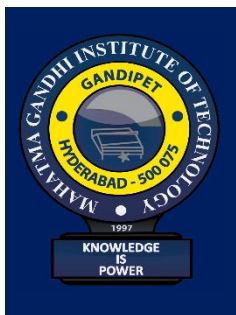
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antibiofilm and time kill studies”, Indian Journal of Chemistry, Vol. 62, pp. 139-146, February 2023.

7. Gullapelli Kumaraswamy, Gullapelli Sadanandam, Kabelo Ledwaba, Ravichandar Maroju “An efficient photocatalytic synthesis of benzimidazole over cobalt-loaded TiO₂ catalysts under solar light irradiation” Journal of Photochemistry & Photobiology, A: Chemistry 429 (2022) 113888 (Available online 28 February 2022 1010-6030/2022 Published by Elsevier B.V. - Contents lists available at ScienceDirect Journal of Photochemistry & Photobiology, A: Chemistry journal homepage: www.elsevier.com/locate/jphotochem - Elsevier)
8. K. Gullapelli, B. Srinivas, D. Gouthami, M. Ravichandar, S. Gullapelli “Design and Synthesis of novel Benzimidazoles containing 1,2,3-Triazoles as in-vitro Anti-cancer and Anti-oxidant agents” Res. J. Chem. Environ., vol.25, No.11, pp.104-109. Nov, 2021. I.F: 0.35(Scopus).
9. K. Gullapelli, M. Ravichandar, M. Ramchander “Synthesis, In-vitro and In- silico Anti-inflammatory activity of new thiazole derivatives” Research J. Pharm. and Tech. vol.14 no.8, pp. 253-4260, Aug 2021 DOI: 10.52711/0974-360X.2021.00738. I.F=1.20 (Scopus)
10. K. Gullapelli, M. Ravichander “Synthesis, Anti-Bacterial and Anti-biofilm Activity of New Iminothiazolidinones” Journal of Pharmaceutical Research International, 2021, vol.33 no.4, pp. 33-40. Jan 2021. DOI: 10.9734/JPRI/2021/v33i431169. I.F= 0.67 (WOS)
11. K.Gullapelli, M. Ravichandar, M.Ramchander “An Efficient Synthesis, Invitro and Insilco Evaluation of new Pyrazole and Isoxazole derivatives as anti-inflammatory agents” Ind J Chem Tech ,vol. 28,pp. 343-350.May 2021. I.F=1.10 (SCI, Scopus).
12. D. Kotte, K. Gullapelli, G. Brahmeshwari, M. Ramchander, M. Ravichander P. Muralikrishna “An Efficient Synthesis, Anti-inflammatory activity and Molecular Docking Studies of new Triazinanes and Iminothiazolidinones” Research J. Pharm. and Tech. 2020, vol.13no.10 pp.4743-4750. Oct. 2020. DOI: 10.5958/0974-360X.2020.00836.7 I. F=1.20 (Scopus)
13. K.Gullapelli, M.Ravichander “Synthesis and Antioxidant Evaluation of New Heterocyclic Compounds on Benzimidazole Nucleus” Int. J. Pharm. Sci. Rev. Res.vol.62,no.2.pp.102-107,2020. I.F=0.65 (Scopus)
14. D.Kotte, K.Gullapelli, G.Brahmeshwari, M.Ramchander, M.Ravichander “Synthesis, antitubercular and molecular docking studies of new bi heterocyclic compounds on benzimidazole moiety” Rasayan J. Chemistry,vol.13, no.1,pp. 585-592,Jan 2020. doi.org/10.31788/RJC.2020.1315465. I.F=2.1 (Scopus, SCI)
15. K.Gullapelli, M.Ravichander, G.Brahmeshwari, B.Srinivas “A Simple and Efficient, Silica Supported Oxone Catalysed One-pot Synthesis of 2-Aryl-Benzimidazoles” Der Pharma chemica vol.10 no.2, pp. 50-52.2018. I.F=0.12 (Scopus)
16. 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)
17. K.Gullapelli, M.Ravichander, K.Uma, K.JagadeeshBabu, G.Brahmeshwari “Synthesis and characterization of new triazinane-2-thione and oxadiazinane 4-thiones from benzimidazole” Nov.Appro Drug Des Dev, vol,2,no,pp1-4. June,2017, DOI: 10.19080/ NAPDD. 2017.02.555581.
18. Radhakrishnamraju Ruddarraju, Adharvana Chari Murugulla Ravinder Kotla, Muni Chandra Babu Tirumalasetty, Rajendra Wudayagiri, Shobha Donthabakthuni, Ravi Chandar Maroju Design, synthesis, anticancer

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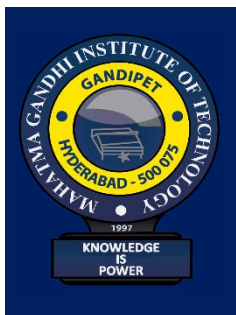
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activity and docking studies of theophylline containing 1,2,3-triazoles with variant amide derivatives:

19. 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). Med Chem Comm 2017, 8, 176, (M. Med. Chem.Commun.,2016, DOI:10.1039/C6MD00479
20. 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
21. 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)
22. 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)
23. 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)
24. 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, (ISSN: 2278-457)
25. 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, 2016: (ISSN 2277– 7105)
26. 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): IJRGG, ISSN:0974-4290)
27. 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)
28. 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

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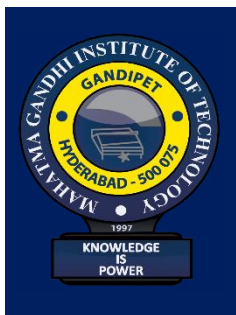
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Chemical and Pharmaceutical Research, 2015, 7(9):868-871: (ISSN: 0975-7384)

29. 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)
30. 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)
31. 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)
32. Swetha Parsha, Dr.Y.Ravindra Kumar, M.RaviChandar: A validated 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)
33. 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)
34. 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)
35. 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
36. 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)
37. 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)

Conferences:

1. Oral presentation on “One Pot Multicomponent Synthesis of Iminothiazolidinones using Tetrabutylammonium Peroxy disulfate as a Catalyst” in International conference on chemistry and allied sciences organized by Department of Chemistry, Pingle Government College for Women (Autonomous), Hanumakonda – Warangal, India from 25-27 August 2022.
2. Poster presentation on “Synthesis and Cytotoxic Activity of Thiazole Based Multi Heterocyclic Hybrids” in two day International seminar on “Current Trends and Futuristic Challenges in Chemical Sciences” organized by Department of Chemistry – University College of Science, Osmania University on 29 and 30 July 2022.
3. Presented poster in National conference on Recent advances in chemical and environmental sciences (RACES-2022) Organised by Kakatiya Government degree & PG colleg , Hanumakonda on 21 and 22 September

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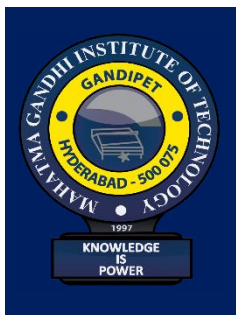
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2022. "A Facile Photocatalytic synthesis of Benzimidazole using Ni/Y-Al₂O₃-TiO₂ Catalyst under Solar light irradiation".
4. Presented poster in National conference on innovations in chemical research (ICR-2022) organized by Department of Chemistry, Kakatiya University, Warangal on 15 to 16 September 2022. "One pot Multicomponent Synthesis of (7R,8aR)-6-(but-1-en-2-yl)-5-methyl-7-phenyl-1,2,3,7,8,8a-hexahydroimidazo[1,2-a] pyridines".
5. Presented a paper on "One Pot Multicomponent Synthesis of Pyrrole Containing Imidazoles using TBAPDS as a catalyst" in "International Conference on Chemistry for Health, Hygiene and Environment (ICCHHE-2022)" organized by Department of Chemistry, Navyuga Kanya Mahavidyalaya on 01 & 02 March, 2022. Lucknow, UP
6. Department of Physics, Vinayak Vidyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati, 23-25 Nov 2021, Second International Web Conference on Advanced Material Science & Nanotechnology (2nd NANOMAT-2021), Synthesis, Characterization and gas adsorption properties of metal organic frameworks.
7. Paper presented on "Convenient, Efficient and Eco-friendly Synthesis of highly Substituted Imidazoles via Multi-Component condensation using Tetrabutylammonium Peroxydisulfate" Virtual International Conference on Emerging Trends in Applied Sciences - Jointly organized by Veer Narmad South Gujarat University, Surat - India and Vyatka State University, Kirov - Russia on 28th and 29th October 2021
8. Oral Presentation in International Conference on Modern functioning Materials (ICMFM-2021) Organized by Sri Sai Ram Engineering College, Chennai, India during 24th- 25th June, 2021. "Photocatalytic Synthesis of 2-Aryl Benzoxazoles over Cobalt-loaded TiO₂ catalyst under Solar Light Irradiation"
9. Oral Presentation in Sixth International Conference on Advances in Materials Science (ICAMS - 2021) Organized by Raje Ramarao Mahavidyalaya, Jath, Sangli, Maharashtra, India during 23rd - 24th April 2021. "An Efficient and Eco-Friendly Photocatalytic Synthesis and Characterization of N-Heterocyclic Compounds"
10. Oral Presentation in International Conference Recent Advances in chemical engineering 2020 (RACE-2020) Organized by Dept. of Chemical engineering, University college of Technology, Osmania University, on 08th to 09th January 2020." An efficient synthesis and characterization of new heterocyclic compounds using metal doped TiO₂ as a photo catalyst.
11. Presented poster in International Conference on Chemistry for Sustainable Future Organized by Department of Integrated Chemistry, Palamuru University, Mahbubnagar on 7th-9th August 2018. An efficient synthesis of 2-3, disubstituted -6,7-dihydro-1H-imidazole [1,2-a] [1,3] diazepin-8(5H)ones.
12. Oral presentation on Synthesis of Novel Series of "Quinoline based Triazole Derivatives using 1,3-Dipolar Cycloaddition" in 20th International Conference of International Academy of Physical Sciences on "Recent advances in Physical Sciences and Future Challenges" organized by Osmania University from 14th to 16th July 2017.
13. 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).
14. Presented poster in International Conference on Green Trends in Environmental Sustainability (ICGTES-16) organized by St. Ann's College for Women- Hyderabad on 16-17th December 2016. A facile Synthesis of New Benzimidazole derivatives by using NaHSO₄-SiO₂ as an Eco-friendly catalyst.



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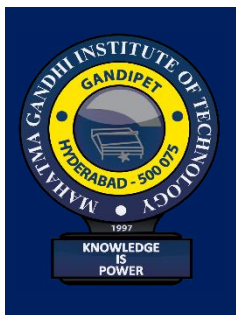
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15. Paper presented on “C-MS/MS and NMR Characterization of Forced Degradation Products of Mirabegron” in the international conference on Trend Setting Innovations in Chemical Sciences & Technology – Application in Pharma Industry organized by JNTUH – Hyderabad during 16th -18th December 2015.
16. Paper presented on “Gas Phase Hydrogenation of Phenol to Cyclohexanone over Pd/KIT-6 catalyst” in the international conference on Trend Setting Innovations in Chemical Sciences & Technology – Application in Pharma Industry organized by JNTUH – Hyderabad during 16th -18th December 2015.
17. Paper presented on Effect of Fluorine in F-Li₂O-SrO-Bi₂O₃ Glasses –IR, Raman and Optical absorption studies, international conference on Nano, Bio and Material Sciences, Dept of Physics, Nizam College, O.U, Hyd from 8th to 10th January 2014
18. Paper presented on Vapour phase coupling of Cyclohexanol dehydrogenation and Cinnamaldehyde hydrogenation over Cu/SiO₂ catalyst, – International conference on New Dimensions in Chemistry and Chemical Technologies – Application in Pharma Industry (under Tequip – II) Centre for Chemical Science & Technology, IST JNTUH Hyderabad from 23 to 25 June 2014.
19. AlF₃ Supported V-Oxide Catalyst: Physicochemical Characterization and Ammoxidation of 3-Picoline to Nicotinonitrile, 2nd International Indo – German Symposium, 29th to 31st October 2012, Institute of Chemical Technology – Mumbai
20. Oral presentation in National conference on Advances in Chemistry and Chemical Engineering (NCACACE-21) Organized by Dept. Of Chemistry, JNTUH on 28-29th Jan 2021. “Synthesis, Antioxidant and Molecular docking studies of Novel 1,2,3 Triazoles on Benzimidazole Nucleus”
21. Presented poster in National Seminar on Science and Technology for Sustainable Development with Women Empowerment (STSD-2020) organised by Dept. of Chemistry, Satavahana University, Karimnagar on 25th to 27th February 2020. “An efficient synthesis of new 1, 2, 3 triazoles linked with benzimidazole nucleus as anti- inflammatory agents.
22. Presented poster in National Seminar on Advances in Chemical Research (ACR-2019) organised by Dept. of Chemistry, Kakatiya University, warangal on 28-29th March-2019. “Synthesis of 1-Aryl pyrroles using cobalt doped TiO₂ under photocatalytic method”
23. Presented poster in National Seminar on Current issues & Challenges in Chemical Research (CICCR-2019) organised by University Arts & Science College Hanamakonda on 18th -19th March 2019. Microwave synthesis of Benzimidazole derivatives and Screened for their Anti-oxidant activity.
24. Presented poster in National Seminar on Synthetic methodology and Modern Approaches in Chemical Science and Technology, organized by Department of Chemistry, Govt. Degree College Sadashivpet, Rangareddy District on 29-30th January-2019. Synthesis, Antioxidant and Anti-inflammatory activity of New-Thioxo-1, 3, 5-Triazinan-2-ones.
25. Presented poster in National Seminar on Recent Challenges in Chemical Research (RCCR-2018) organized by Department of Chemistry, Kakatiya University on 28-29th March -2018. A facile synthesis of 1- Aryl pyrroles by Clauson-Kaas reaction using Oxon as a catalyst under microwave irradiation
26. Presented poster in National Seminar on Recent Trends and Challenges in Chemical Sciences (RTCCS-2017) organized by Department of Chemistry, Kakatiya University on 24-25th March -2017. An Efficient Photocatalytic synthesis of Benzimidazoles using Cobalt doped TiO₂ under solar light irradiation.
27. Presented poster in National Seminar on Role of Chemistry in Human Health and Environment organized by Department of Chemistry, J.V.R Govt College-Sattupally (Kakatiya University) on 27-28th January -2017. Synthesis of new 1-(1H-benzo [d] imidazol-2-yl)-3, 6-di aryl-4-thioxo-1,3,5-triazinan-2-ones.

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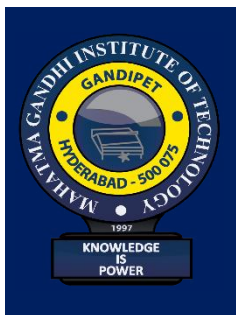
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28. Presented poster in National Symposium on Recent Advances in Chemical & Medical Sciences (RACMS-16) organized by Rajiv Gandhi University of Knowledge Technologies, Basar 21-22nd August-2016. Synthesis, Anti-bacterial and Molecular docking studies of new Benzimidazole derivatives.
29. Presented poster in National Conference on Frontiers in Chemical Sciences and Technologies (FCST-16) organized by National Institute of Technology, Warangal 28-29th January 2016. Synthesis and biological studies of some new 1-(4-1H-benzo[d]imidazole-2-yl)thiazol-3-phenyl-2-thioxo dihydro pyrimidine -4,6(1H, 5H)-diones.
30. Potential of Cu/SiO₂ 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.
31. Impact of surface area on the activity of Cu/Al₂O₃ 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
32. Presented poster in National Seminar on Emerging Trends and Challenges in Chemical Research (ETCCR) organized by GDC Bhadrachalam 18-19th December 2015. Synthesis and antimicrobial activity of 7-(1H-benzo[d]imidazole-2-yl)-3- substituted -2H-thiazole(3,2-a)(1,3,5)triazole-2,4(3H)-dithiones.
33. 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), 19th and 20th March 2015 at MGIT, Hyderabad
34. 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 19th and 20th March 2015
35. 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.
36. 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, Karimanagar District. 10 & 11 Aug 2015
37. 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 17th and 18th Dec 2015
38. 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 25th and 26th October 2013
39. 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

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40. Poster presented on 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 25th and 26th October 2013.

Books Published:

1. “Microwave Synthesis of Substituted 1- Aryl Pyrroles by Clauson-Kaas Reaction Using Oxone as a Catalyst” Name of the Book: Current Topics on Chemistry and Biochemistry - Vol. 4 Print ISBN: 978-93-5547-766-8 Online ISBN: 978-93-5547-767-5, DOI: <https://doi.org/10.9734/bpi/ctcb/v4/3357A>

Patents:

1. Patent received entitled “Preparation of Benzimidazole containing Isoxazole and Derivatives” Application No.20234 1036511 A. The Patent Office Journal No. 24/2023 Dated 16/06/2023, page 43235

Events Organized:**Conferences:**

1. DST Sponsored National Conference on Sustainable Development through Chemical and Biological Sciences on 19th and 20th March 2015

FDPs/STTPs:

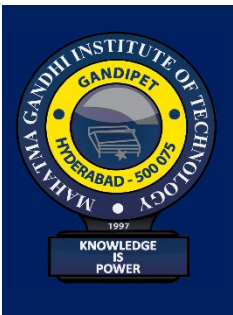
1. FDP on Materials for Photonic Applications from 9th to 13th August 2021 (Online)
2. One week FDP on "Relevance of Mathematics to Core -Engineering Sciences-(RMCES)" on 12th to 16th Oct, 2020 (online)
3. 3-Day Online FDP on “Swachhta Action Plan – Role of Higher Educational Institutions” on 8th to 10th October, 2020 (online)

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Webinar on "Environmental Issues - Possible Solutions" on the occasion of World Environmental day celebrations on 5th June 2021.
2. Workshop on Rural Entrepreneurship in Collaboration with MGNCRE on 6th October 2020
3. one-day National level webinar on “National Education Policy-2020” on 26th Sept 2020
4. Workshop on Material Processing and Technology on 27th June 2020
5. Webinar on Advances in Covid-19 treatment - Indian Perspective on 26th June 2020
6. Swachhta Action Plan online workshop for NSS - Coordinators & NSS Students on 23rd June 2020
7. Physicochemia - Two-day National level symposium for Engineering students on Material Science and Technology on 8th and 9th March 2013
8. One day seminar on Innovation and Technology for Sustainable Development on 12th April 2012

Events Attended**Conferences**

1. National conference on “Engineering Materials, Energy and Environment “on 24th and 25th April 2015 at CBIT- Hyderabad, sponsored by TEQIP
2. National Conference on “Environmental Issues and Challenges – 21st Century on 28th and 29th March 2008 at Osmania University

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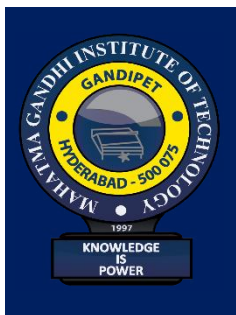
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3. International Conference on “Agri Biotechnology” at Pragathi Resorts – Hyderabad from 9th to 11th March 2006.
4. All India Conference on Meditation and retreat on holistic living for overall effectiveness organized by Science and Engineering wing of Rajayoga Education centre from 8th to 12th October 2005 at Mount-Abu – Rajasthan organized by Brahmakumari spiritual University

FDPs/STTPs:

1. NPTEL – AICTE Faculty Development Programme on “Accreditation and Outcome Based Learning (8 weeks): July – September 2021.
2. Attended the " Virtual Green Teachers Training Program" on 02-06-2021 sponsored by Telangana State Pollution Control Board and organised by Environment Protection Training & Research Institute in association with NSS Cell - JNTUH, Lee Shreyus Foundation, YEC, TSNGC, NYK - Ranga Reddy district
3. AICTE Training and Learning (ATAL) Academy Online FDP on "Leadership & Excellence" from January 13-17, 2021 conducted by KIIT School of Management, KIIT University
4. One week FDP On “Outcome based Education and Accreditation” from 5th to 9th October 2020 organized by ISTE -Section in association with JNTUH Engineering College Jagtial, MGIT & Swecha
5. One Week Short Term Course on “Chemistry for Engineering Applications” during September 14-18, 2020 Sponsored by TEQIP-III From Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab, INDIA.
6. AICTE Training and Learning (ATAL) Academy Online FDP on "Leadership & Excellence" From 7th to 11th September 2020, organized by PDPM Indian Institute of Information Technology, Design & Manufacturing, Jabalpur
7. Completed a short course on "Learn to Design your own Solar Home System" on 23 July 2020
8. 9-Day online short-term training program on “Journey of Self-Discovery” during 18-26 July 2020 conducted by FOLK Hyderabad.
9. Two-days online FDP on "Managing Sustainability in Turbulent Times" conducted by Department of M&H, MGIT – Hyderabad on 29 & 30 July 2020
10. Five Days Online Faculty Development Program on ‘Mentoring and Facilitation Skills for Institutional Mentors’ from 24th to 28th June 2020 organized by Faculty Development Centre, Mahatma Gandhi National Council of Rural Education (Department of Higher Education, Ministry of Human Resource Development, Govt. of India) - Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
11. Faculty development program on "SCILAB-An open-source substitute for MATLAB" organized by JNTUH College of Engineering - Sultanpur and Spoken Tutorial Project - IIT Bombay in Collaboration with Pandit Madan Malaviya Nations Mission on Teachers and Teaching from 25rd to 30th May 2020
12. 5-days Faculty Development Programme on "Outcome-based Education and Accreditation" organized by IILM College of Engineering & Technology, Greater Noida from 25th to 29th May 2020
13. Faculty Development program on "Blended Learning" organized by Telangana Academy for skill and knowledge from 20th to 23rd May 2020
14. One week FDP on "Moodle learning management systems" organized by Tagore Institute of Engineering and Technology, Deviyakurichi - Salem Dist, Tamilnadu and Spoken Tutorial Project - IIT Bombay in Collaboration with Pandit Madan Malaviya Nations Mission on Teachers and Teaching from 4th May to 9th May 2020
15. AICTE-MHRD-TEQIP sponsored Faculty Development Programme on “Green Chemistry – Frontiers and Challenges” from 17th to 21st June 2013 conducted by Department of Chemistry – National Institute of Technology, Calicut.

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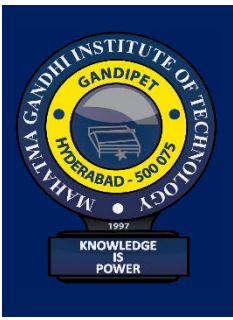
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16. A two-week Faculty Development Programme on “Entrepreneurship” from 22nd April to 4th May 2013 organized by MGIT- Hyderabad.
17. One week Faculty Development Programme on “Teaching, Learning and Research in Engineering & Technology” from 30th July to 3rd August 2012 organized by ISTE Chapter - MGIT
18. One-week Short-term course on “Organometallic Chemistry & Catalysis” under the QIP of AICTE from 1st to 5th Sept 2003 at Indian Institute of Science, Bangalore

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. participated in the Online International Webinar on “Gender equality today for a sustainable tomorrow” on 08th March 2022, Organized by Women Development Cell, Mahatma Gandhi Institute of Technology, Hyderabad.
2. Attended a program on Social Entrepreneurship - An Opportunity for Youth organized by Samskruti foundation and MGNCRE on 23rd January 2021
3. Attended Vivekasubhashitam Campaign which have initiated Social Entrepreneurship, Swachhta and Rural Engagement Cells on National Youth Day - Swami Vivekananda Birthday celebrations on 12th January 2021 conducted by MGNCRE and Samskruti foundation
4. Attended awareness webinar on “Outcome Based Education and Accreditation” on 25th November 2020 conducted by National Board of Accreditation in association with JNTUH – Hyderabad
5. Attended Nationwide Launch of Version 2 of the Student Induction Program (SIP) and the online e-SIP on 27th October 2020 organized by AICTE.
6. Attended NEP-2020 Webinar series organized by University Faculty Association on 21 October 2020
7. International webinar series on Advanced Topics in Chemistry – “Polymers in Tissue Engineering and Regenerative Medicine” on September 25th 2020 organized by Department of Chemistry, St. Joseph's College, Devagiri, Calicut, Kerala, India.
8. Attended Webinar on NEP-2020 on 19th September 2020 organized by NSS Cell - JNTUH
9. Attended a webinar on "Distraction Management" on 5th September 2020 conducted by Parivartan Club
10. National Webinar on "Online Education - Opportunities and Challenges" on 25-8-2020 Organized by NIT – Warangal
11. Two days National Level online workshop on "Free and Open-Source Alternative for Web Conferencing and Teaching Learning on 15th and 16th July 2020 conducted by Department of CSE, MGIT in collaboration with Swecha.
12. Completed online workshop on "Incorporating Universal Human Values in Technical Education” from 18th to 22nd July 2020 – an AICTE initiative and executed by NCC - IP
13. Webinars on “Managing Remote Student Teams” and “Making Labs Effective with Remote Learning.” conducted by IEEE on 28th & 29th July 2020
14. Online "Workshop on Social Responsibility and Community Engagement" organized by Chaitanya Bharathi Institute of Technology – Hyderabad on 17th June 2020.
15. One day online workshop on Swachhta Action Plan (SAP) organized by Mahatma Gandhi National Council of Rural Education - Department of Higher Education, Ministry of HRD, Govt. Of India on 16th June 2020.



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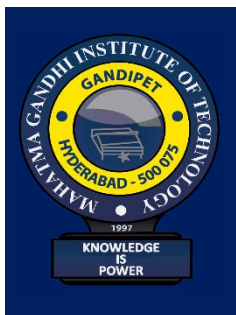
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16. Talk on "New Trends and Future Directions in Catalysis" by Bright talk on 29th May 2020.
17. Attended webinar on "Online Teaching - Learning and Online Assessment Demo" conducted by Inpods Ed tech on 28th May 2020
18. Webinar on "What senior management of Tier II engineering colleges need to know of NBA Accreditation" conducted by Inpods Ed tech on 15th May 2020
19. Webinar on "Transformation of Education & Role of E-Learning Post COVID19" conducted by TiETalksEdu on 5th May 2020
20. Webinar on "Innovative & Affordable Hand washing Stations in Schools" conducted by Administrative Staff College of India (ASCI) - Centre for Innovations in Public Systems (CIPS) on 1st May 2020
21. Workshop on Biodiversity conducted by NSS-JNTUH & Lee Shreyus Foundation on 29th and 30th April 2020
22. A talk on "Scopus- Improving outcomes & getting global perspective" by BrightTalk on 28th April 2020.
23. Program on "National Innovation & Startup Policy (NISP) for Students and Faculties in HEIs" - MHRD's Innovation on 28th April 2020
24. Webinar on "How to Maximise your score in NAAC Criterion-2" conducted by Inpods Ed tech on 27th April 2020
25. Webinar on "Transforming through Industry 4.0 – India Opportunity" conducted by IEEE on 27th April 2020
26. NPTEL Lecture on "Technology transforming Medicine" on 26th April 2020
27. Webinar on "Online Teaching - Learning and Online Assessment Demo" conducted by Inpods on 24th April 2020
28. Webinar on "Classroom to Career" conducted by ET Edge on 23rd April 2020
29. Webinar on "Virtual Labs For Science And Engineering" conducted by IEEE – Hyderabad on 22-4-2020
30. Webinar on "Time Management" by Oxford University Press on 21-4-2020
31. NPTEL Lecture on "Popularization of Science" 21-4-2020
32. Integrating "Scopus APIs into you every day workflow" by BrightTalk on 21st April 2020
33. Webinar on Strategies for Effective Delivery of Online Engineering Courses by IEEE on 21st April 2020
34. NPTEL Lecture on "Entrepreneurship - what you should know before you take the plunge" 20th April 2020
35. NPTEL Lecture on "The Joy of Teaching" on 19th April 2020
36. Webinar on "NAAC Accreditation Management System Demo" by Inpods on 17th April 2020
37. NPTEL Lecture on "Biology and AI" on 16th April 2020
38. Talk on "Enhance Research Visibility to Improve Ranking" by BrightTalk on 16th April 2020.
39. Webinar on "Intellectual Property Rights and Patenting" by Startcore Technologies on 10th April 2020
40. Webinar on "Riding the Covid-19 storm" conducted by Tie Talks on 10th April 2020

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41. Online training for NSS POs of AP and Telangana on Fight Against Covid-19 organized by UNICEF - Hyderabad office in Collaboration with NIRD and Panchayat Raj on 2nd April 2020.
42. One day National Seminar on Semiconductors conducted by Department of Physics – CBIT, Hyderabad on 21st December 2019
43. Attended “1st World Parliament on Spirituality” from 17th to 21st December 2012 at Hyderabad
44. Science Academies Lecture Workshop on “Current Trends in Nanoscience and Technology” organized at National Institute of Technology – Warangal on 23rd and 24th December 2011
45. “International Conclave on Climate Change” organized by Institution of Engineers (India) at Hytex- Hyderabad from 12th to 14th October 2011
46. One day seminar on “Nano materials - Synthesis and applications” at CBIT - Hyderabad on 30th August 2011
47. UGC Sponsored Seminar on “Plastics – Boon or Bane” organized at AV College- Hyderabad on 28th August 2010
48. One day seminar on “Chemistry – Technology interface” organized by CBIT on 5th August 2004
49. Orientation Course - 2nd to 30th July 2003 - UGC Academic Staff College – Osmania University, Hyderabad.
50. Orientation Program for NSS Program Officers - 13th to 22nd Dec 2002 – Osmania University, Hyderabad.

Online Certifications:

1. NPTEL Certification for the course on “Accreditation and Outcome Based Learning (8 weeks): July – September 2021.
2. Completed a course on Research Design - Inquiry and Discovery offered: University of North Texas and offered through Coursera on 27-8-2020
3. Sustainable Development Goals – A global, transdisciplinary vision for the future – University of Copenhagen: Offered through Coursera - June 2020
4. Completed NPTEL course on Reactive Intermediates - Carbene and Nitrene (4 Weeks): During January - April 2020
5. Introduction to Molecular Spectroscopy - University of Manchester: offered through Coursera - May 2020.

Any Other Contribution:

1. Organized various Social activities, Community development programs and Charity Programs on the campus and in the adopted villages
2. Conducted UBA & Swachh Bharat programs including the programs initiated by MGNCRE
3. Organized various Extra & Co-curricular activities as per the requirements
4. Delivered six Invited lectures
5. Worked as Lab Incharge of Metallurgical Analysis, Engineering Chemistry, Electrometallurgy & Corrosion and Fuels & Lubricants laboratories on various occasions.
6. Nominated as Member – BoS (Chemistry) for JNTUH and Vidya Jyothi Institute of Technology
7. Taken up Academic Audit activities on various occasions
8. Prepared and supplied sanitizer in the Institute and at different places during Covid-19 pandemic.