

Dr. Archana Jain

Assistant Professor



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

ADDRESS:

- A – Block, Room No. A212

JNTUH ID:

9715-180703-001326

EMAIL:

archanajain_chem@mgit.ac.in

DATE OF JOINING:

01-08-2018

EXPERIENCE

- Teaching – 7
- Research – 9

SUMMARY:

- Publications - 19
- Conferences - 18
- Patents – 1
- Books – 1
- Honors/Awards - 7

EVENTS:

- Organized - 03
- Attended - 53

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- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- https://twitter.com/MGIT_hyderabad

Membership of Professional Bodies:

1. Life Member of Chemical Research Society of India (CRSI) (LM No. 2428)
2. Life Member of Indian Chemical Society (ICS) (LM No. 8413)
3. Life Member of Indian Society of Technical Education (ISTE), New Delhi (LM No. 132345)
4. Life Member of Indian Science Congress Association (ISCA), Kolkata (LM No. L40861)
5. Life Member of Association of Chemistry Teachers (ACT), Mumbai (LM No. 2338)

Responsibilities Held at Institution Level:

1. Member of Industry Institute Partnership Cell (IIPC)
2. Member of Institute Value Education Cell
3. R&D Coordinator
4. Member of Women Development Committee-23
5. Coordinator of PARAMARSH-UGC Quality Initiative Committee
6. Member of Anti-Ragging squad
7. Member of Nirvana Committee

Responsibilities Held at Department Level:

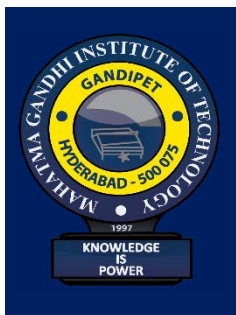
1. Member of BoS (Environmental Science Subject)
2. Documentation for NBA, NAAC, JNTUH FFC visits, etc.
3. Documentation of Monthly Achievements of Faculty members.
4. Class In-charge

Honors/Awards Received:

1. Recipient of SERB-TARE Research Fellowship (2020-Present)
2. Recipient of the Best Poster Award at an International Conference ICCAES-2022 organized by IEM college Kolkata during 16-18 December 2022.
3. Recipient of the Best Oral Award at an International Conference ICON-BEES-2021 NIT, Trichy
4. Recipient of the Best Poster Award at International Conference on ACST 2019, NIT, Warangal.
5. Recipient of Outstanding Research Scholar award for the year 2010-2011 given by Chemical Society, Department of Chemistry, IIT Delhi
6. Awarded Certificate of appreciation by Chemical Society, IIT Delhi for publication in high impact factor journal (2009 and 2010)
7. Recipient of Senior and Junior Research Fellowship by University Grant Commission (UGC), India (July 2006 – July 2011)

Courses Handled at Under Graduate Level:

- **UG:** Engineering Chemistry, Engineering Chemistry Lab, and Environmental Science



Publications:

1. Dr. Archana Jain *et al.* "Role of Bis(phosphinimino)methanides as Universal Ligands in Coordination Sphere of Metals across the Periodic Table" **Chemical Reviews** Just Accepted (Scopus Indexed, Impact factor: 62.1)
2. Dr. Archana Jain *et al.* "Catalytic Cyanosilylation of Ketones Utilizing Air-stable Zinc Complexes Supported by Amidophosphine Chalcogenide Ligands" **Inorganica Chimica Acta** 2023, Volume 559, 1 January 2024, 121781. Online ISSN:1873-3255. (Scopus Indexed, Impact factor: 2.8)
3. Dr. Archana Jain *et al.* "Synthesis of α -aminophosphorus derivatives using a deep eutectic solvent (DES) in a dual role" **Green Chemistry** 2023, 25, 8266-8272. Online ISSN:1463-9262, 1463-9270. (Scopus Indexed, Impact factor: 9.8)
4. Dr. Archana Jain *et al.* "Efficient Hydroboration of Esters and Nitriles Using a Quinazolinone-Supported Titanium(IV) Multitasking Catalyst, **Eur. J. Inorg. Chem.** 2023, e202300247.
5. Dr. Archana Jain *et al.* "A binuclear aluminium complex as a single competent catalyst for efficient synthesis of urea, biurea, isourea, isothiourea, phosphorylguanidine, and quinazolinones' ". **RSC Advances**, Year 2023, Volume 13, pp. 3020-3032.
6. Dr. Archana Jain *et al.* "Synthesis, structural characterization and catalytic application of zinc and cadmium sulfur complexes with imidazol-2-ylidene-N'-phenylthiourea ligand scaffold" **Polyhedron** 225 (2022) 116055.
7. Dr. Archana Jain *et al.* "One-Pot Reductive Amination of Aromatic Aldehydes in $[\text{Et}_3\text{NH}][\text{HSO}_4]$ using Sodium Borohydride and A Mechanistic Investigation using Computational Method" **ChemistrySelect** Volume 7, January 2022, Issue 4, Page no. e202200052. Online ISSN:2365-6549. (Scopus Indexed, Impact factor: 2.12)
8. Dr. Archana Jain *et al.* "Hydroamination of isocyanates and isothiocyanates by alkaline earth metal initiators supported by bulky iminopyrrolyl ligand" **New Journal of Chemistry**, Vol. 44, Issue 22, May 2020, pp. 9419-9428. ISSN: 1144-0546 (print); 1369-9261 (web). (Scopus Indexed, Impact factor: 3.07)
9. Dr. Archana Jain *et al.* "Economically Viable and Efficient Catalysts for Esterification and Cross Aldol Condensation Reactions under Mild Conditions" **ChemistrySelect**, Vol. 5, Issue 15, April 2020, pp 4470-4477. ISSN-2365-6549 (web) (Scopus Indexed, Impact factor: 2.12)
10. Dr. Archana Jain *et al.* "Selective oxidation of 5-hydroxymethyl-2-furfural to furan-2,5-dicarboxylic acid over spinel mixed metal oxide catalyst" **Catalysis Communications**, January 2015, Volume 58, pp 179-182. ISSN: 1566-7367. (Scopus Indexed, Impact factor: 3.7)
11. Dr. Archana Jain *et al.* "Conversion of fructose, glucose, and sucrose to 5-hydroxymethyl-2-furfural over mesoporous zirconium phosphate catalyst" **Applied Catalysis A: General**, January 2015, Volume 489, pp 72. ISSN: 0926-860X. (Scopus Indexed, Impact factor: 3.9)
12. Dr. Archana Jain *et al.* "Design of porous silica-supported tantalum oxide hollow spheres showing enhanced photocatalytic activity" **Langmuir** March 2014, Volume 30, pp 3199-3208. ISSN: 0743-7463 (print); 1520-5827 (web). (Scopus Indexed, Impact factor: 4.46)
13. Dr. Archana Jain *et al.* "Synthesis and characterization of di-/triorgano stannates bearing tin-sulfonate bonds" **Inorganica Chimica Acta**, May 2012, Vol. 387, pp 420-425. ISSN: 0020-1693. (Scopus Indexed, Impact factor: 2.05)

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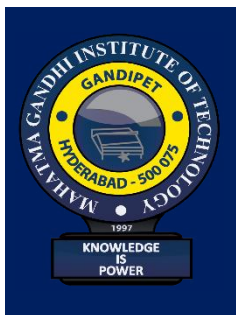
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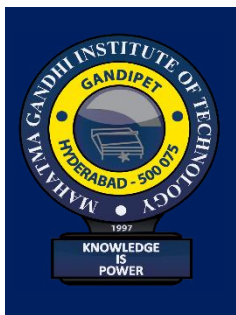
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14. Dr. Archana Jain *et al.* “Synthesis and characterization of diethyl tin-based three-dimensional self-assemblies derived from sulfonate-phosphonate ligands” *Inorganica Chimica Acta*, June 2011, Vol. 372, pp 108-114. ISSN: 0020-1693. (Scopus Indexed, Impact factor: 0.83)
15. Dr. Archana Jain *et al.* “Diorganotin-based coordination polymers” *Phosphorus, Sulfur and Silicon and the Related Elements*, June 2011, Vol. 186, Issue 6, pp 1375-1378. ISSN: 1042-6507 (print), 15635325 (web). (Scopus Indexed, Impact factor: 2.05)
16. Dr. Archana Jain *et al.* “Diorganotin-based coordination polymers derived from sulfonate/phosphonate/phosphonocarboxylate ligands” *Inorganic Chemistry*, January 2011, Vol 50, pp 1339-1350. ISSN: 0020-1669. (Scopus Indexed, Impact factor: 4.76)
17. Dr. Archana Jain *et al.* “Cleavage of Sn-C and S-C alkyl bonds on an organotin scaffold-synthesis and characterization of a novel organotin-sulfite cluster bearing methyltin- and dimethyltin fragments” *Inorganic Chemistry*, April 2010, Vol. 49, Issue 10, pp 4708-4715. ISSN: 0020-1669. (Scopus Indexed, Impact factor: 4.76)
18. Dr. Archana Jain *et al.* “A facile synthesis of novel 2D and 3D coordination polymers containing diorganotin phosphonate-based tri-/tetra-nuclear clusters with appended sulfonate groups” *Inorganic Chemistry*, March 2009, Vol. 48, Issue 8, pp 3608-3616. ISSN: 0020-1669. (Scopus Indexed, Impact factor: 4.76)
19. Dr. Archana Jain *et al.* “Synthesis, characterization, and structural studies of mixed-ligand diorganotin esters, $[R_2Sn(OP(O)(OH)Ph)(OS(O)_2R^1)]_n$ [R= n-Bu, R¹=Me (1), n-Pr (2); R= Et, R¹=Me (3)] with 1D and 3D coordination polymeric motifs” *Inorganic Chemistry*, May 2008, Vol. 47, pp 5930-5935. ISSN: 0020-1669. (Scopus Indexed, Impact factor: 4.76)

Conferences:

Presented the research paper on the topic

1. “[Et₃NH][HSO₄]: An Economically Viable and Reusable Catalyst For the Synthesis of α , α' -bis(arylidene)cyclo-alkanones under Solvent-Free Conditions” in an International Conference on Chemical And Environmental Sciences (ICCAES-2022) organized by IEM college Kolkata during 16-18 December 2022 and received the best poster award.
2. “Synthesis and Structural Study of Hetero-/Homoleptic Alkaline Earth Amido Complexes and their Application in Hydroamination of Isocyanates or Iso-thiocyanates” in 27th CRSI National Symposium in Chemistry (CRSI-NSC 21), held during 26th – 30th September 2021 organized by Department of Chemical Sciences, IISER Kolkata, India. (Poster Presentation).
3. “Cross-aldol Condensation using Low Cost and Efficient Catalyst [Et₃NH][HSO₄] under Solvent Free Conditions” in an International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2021) held online at Department of Chemical Engineering, Dr B R Ambedkar National Institute of Technology, 144011, Punjab, INDIA during August 20-22, 2021. (Paper ID: A-130)
4. “HMF Synthesis using m-ZrP catalyst” in Second International Conference on Interdisciplinary Approaches in Sciences, Engineering, & Humanities (ICIASEH-2021) Department of Applied Science, Sagar Institute of Research and Technology- Excellence (SIRTE), Ayodhya By - Pass Road, Bhopal – 462041 M.P., India during July 29-30, 2021.
5. “Esterification using Low Cost and Efficient Catalyst under Solvent Free Conditions” in AICTE Sponsored Second International Conference on “Energy, Environment, and Advance Materials for Sustainable Future-



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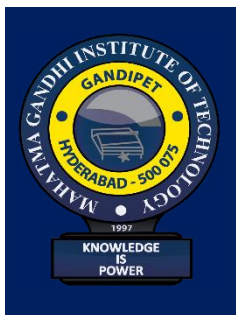
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ICEEAMSF-2021” organized by Department of Physics & Chemistry, School of Science and Humanities, Kongu Engineering College, Perundurai, Erode during July 15-16, 2021.

6. “FDCA Synthesis over mixed metal oxide” authored by Archana Jain in an International Conference on Green Chemistry and Engineering towards Sustainable Development – An Industrial Perspective (Virtual Event under Diamond Jubilee Celebration) -**ICGCESD-21** organized by Chemical Engineering Department, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, India during June 16–18, 2021.
7. “Catalytic conversion of biomass derived 5-Hydroxymethylfurfural to Furan-2,5-dicarboxylic acid over spinel $\text{Li}_2\text{CoMn}_3\text{O}_8$ catalyst” in an International Conference on Novel Materials for Biomedical, Energy, Environment, Sensing, and Other Applications (**ICON-BEES-2021**) organized by Department of Physics, National Institute of Technology, Tiruchirappalli (NIT, Trichy) held during March 11-13, 2021.(Received Best Oral Award)
8. “Application of Mesoporous Zirconium Phosphate in Catalytic Conversion of Biomass-derived Sugars to 5-Hydroxymethyl-2-Furfural” "Chemistry for Society, Industry and Technology" (**ICCSIT-2021**) organized by, Department of Chemistry, Gramin (Arts, Comm. & Sci.) Mahavidyalaya, Vasantnagar, Tq. Mukhed Dist. Nanded (M.S.) India 431 715 held during 20-21 January 2021.
9. “Catalytic Conversion of Biomass Derived Sugars to 5-Hydroxymethyl-2-Furfural” by Archana Jain, Subash C. Jonnalagadda, Kandalam V. Ramanujachary, Amos Mugweru at Three Day International Virtual Conference on “Impact of Chemical Disasters on Biota” (**ICDB-2020**) on 24th-26th July 2020 organized by Andhra University, Visakhapatnam in association with Andhra Pradesh Akademi of Sciences. (OP-35)
10. “Application of $\text{Li}_2\text{CoMn}_3\text{O}_8$ in Selective Oxidation of Biomass derived 5-Hydroxymethylfurfural to Furan-2,5-dicarboxylic acid” at the international conference “Material Science for Societal Advancement (**MSSA-2020**)” organized under UGC UPE FAR Programme by Osmania University, Hyderabad during 20th-22nd January 2020.
11. “Catalytic conversion of 5-hydroxymethyl-2-furfural derived from biomass-based carbohydrates to furan-2,5-dicarboxylic acid” at international conference on “Advances in Chemical Sciences and Technologies (**ACST 2019**)” organized by Department of Chemistry, National Institute of Technology, Warangal (NITW) during 23rd to 25th September 2019 (PP-OC-31) (Received Best Poster Award).
12. “Catalytic conversion of biomass-based carbohydrates to 5-hydroxymethyl-2-furfural” on Research Day organized by Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad on 23rd August 2019.
13. “Synthetic Applications of Dialkylsulfites as Reagents- Diorganotin sulfonate and phosphonate-based Rings, Clusters and Porous 3D Coordination Polymers” at 13th International conference on the Coordination and Organometallic Chemistry of Germanium, Tin, and Lead (**ICCOG-GLT-13**) organized by Institute of Inorganic Chemistry, Graz University of Technology, Austria on July 11-15, 2010. (L31).
14. “Synthesis of diorganotin based clusters and porous 3D coordination polymers” by Archana Jain, Ravi Shankar at Prof. Ram Chand Paul VI National Annual Symposium held at Punjab University, Chandigarh. March 5-6, 2010. (pp. 30).
15. “Scope of dialkylsulfites in organotin chemistry- Synthesis and chemical behavior of diorganotin(alkoxy)(alkanesulfonate)s” at National Symposium on Emerging Trends in Chemistry, **NSETC-10** at Panjabi University, Patiala. Feb 15-16, 2010 (pp. 12).

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16. “Formation of novel tetra-/pentanuclear organotin clusters bearing alkanesulfonate groups in the structural framework” at international conference on Modern trends in Inorganic Chemistry, **MTIC-XIII**, 2009 held at Indian Institute of Science (IISc), Bangalore. Dec. 7-10, 2009. (pp. 223).
17. “Studies on the hydrolytic behavior of Diorganotin(alkoxy)(alkane-sulfonate)s-Synthesis and structural characterization of novel organotin-sulfonate based tetra-/pentanuclear clusters” at 12th International Symposium on Inorganic Ring Systems, **IRIS-12** held at Goa, India. Jun 16-21, 2009. (pp. 77).
18. “Sulfur centered Arbuzov rearrangement in dialkyl sulfites and its application in synthetic organotin chemistry” at National conference on Recent trends in Organometallic Compounds and their Industrial Applications, **OMCA-2009** held at KIIT University, Bhubaneswar, Orissa, Feb. 26-28, 2009. (pp. 27-29).

Patents:

1. International Patent on “Spinel catalyst of $\text{Li}_x\text{Mn}_2\text{O}_4$ ($x < 0.2$) for oxidation reactions” was published on 19-12-2013 along with Prof. K. V. Ramanujachary and Dr. A. K. Bhujanga Rao; International Patent Publication No. WO2013188589A3; International Application No. PCT/US 2013/045500.

Research & Consultancy:

1. SERB-TARE Research Project on "Development of achiral and iso-selective Alkaline-Earth Metal catalysts to produce highly stereo-controlled biodegradable polymers" for Rs. 18,30,000/- during 2020-present. (Role: PI)
2. TEQIP-III, JNTUH Collaborative Research Scheme project on “Direct amide synthesis from alcohols and amines via vinyl functionalized N-heterocyclic carbene-based ruthenium catalysts” for Rs. 2,50,000/- during 2019-2020 along with Dr. P. Suresh, VJIT Hyderabad. (Role: Co-PI)

No. of Books/Chapter Published with details:

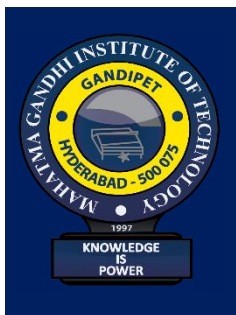
1. Published One Book Chapter on “Six-membered Rings with Two or More Heteroatoms with at least One Arsenic to Bismuth” along with Dr. Jyotirmoy Maity and Dr. Tarun K. Panda in the book titled “Comprehensive Heterocyclic Chemistry IV, Vol. 9, pp.768-791 by Oxford-Elsevier; ISBN: 9780128186558 on Jan 2022.

Events Organized:**FDPs/STTPs:**

1. Online Faculty Development Programme on “Materials for Photonic Applications” on behalf of the Department of P&C, Mahatma Gandhi Institute of Technology, Hyderabad on 9th-13th August 2021. (Organizing Committee Member)
2. Online Faculty Development Programme on “The Role of Material Science in Engineering: Application Perspectives” on behalf of the Department of P&C, Mahatma Gandhi Institute of Technology, Hyderabad on 3rd-7th August 2020. (Organizing Committee Member)

Workshops:

3. A Two-Day National Level Virtual workshop on “The Role of Chemistry in Modern Healthcare” on behalf of the Department of P&C, Mahatma Gandhi Institute of Technology, Hyderabad on 3rd and 4th of July 2020. (Organizing Committee Member)



Events Attended

FDPs:

1. National level Online Faculty Development Program on Research Methodology using ChatGPT and AI tools organized by the PG Department of Computer Applications, The Internal Quality Assurance Cell (IQAC) and Lincoln University College Marian Research Centre (LUC MRC) of Marian College Kuttikanam (Autonomous) in association with The Kerala State Higher Education Council from 21-29 September 2023.
2. e-Faculty Development Program on Frontiers of Modern Research on Chemistry-Biology Interface organized by Amity Institute of Applied Sciences, Amity University, Kolkata from 17 July-21 July 2023.
3. A 7 Day National Level Online Faculty Development Program on Outcome Based Education (OBE) organized by S.E.S College, Sreekandapuram in association with The Kerala State Higher Education Council (KSHEC) from 18 January to 25 January 2023.
4. A five-day online FDP on "Insights on Emerging Research in Chemical Science (IERCS-2022)" during 10th – 14th October 2022 organized by School of Sciences (Chemistry), NIT Andhra Pradesh.
5. One week FDP (self-paced) on "Teaching-Learning Methods: From Micro-Teaching to Peer Learning" organized by the Teaching Learning Centre (TLC), Ramanujan College Delhi under the aegis of Ministry of Education sponsored PMMMNMTT Scheme from 05 - 11 October 2021.
6. A five-day online FDP on Advances and Challenges in Chemical Science organized by the School of Sciences, National Institute of Technology, Andhra Pradesh held from 20th - 24th September 2021.
7. One-week National Level FDP on "Transformation in Indian Education through New Education Policy- Challenges and Opportunities" under *UGC under Paramarsh Scheme" organized by IQAC, Government First Grade College for Women, Balmatta, Mangalore and St Aloysius College (Autonomous), Mangalore from 5th- 11th July 2021.
8. A 5-day FDP on "Spectroscopical Studies in structural Analysis-Modern era Applications" during 25th -29th January 2021 organized by Department of Humanities and Science, Hyderabad Institute of Technology and Management (HITAM).
9. AICTE Training and Learning (ATAL) Academy Online FDP on "Green Technology towards Sustainable Future" organized by Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat-395007 (GUJARAT) from 26th-30th October 2020.
10. AICTE Training and Learning (ATAL) Academy Online FDP on "Energy Engineering" organized by Netaji Subhas University of Technology, New Delhi from 05th – 09th October 2020.
11. One Week Online National FDP (Approved for CAS of UGC and AICTE) for all subject teachers from universities and colleges on "Development of Teacher's e-kit and MOOCS in Four Quadrant Format of e-Content" organized by GAD-TLC (PMMMNMTT Centre of Ministry of Education, GoI), SGTB Khalsa College, University of Delhi. (Equivalent to Face to Face One Week FDP and fulfils requirements as per CAS of UGC and AICTE for promotional requirements of Teachers) during 12th–20th Sep 2020.
12. Two-day International Virtual FDP on "Innovative Techniques for Effective Teaching Online and Offline" conducted on 12th-13rd June 2020 Organized by Faculty of English (Department of M&H), Mahatma Gandhi Institute of Technology, Hyderabad.

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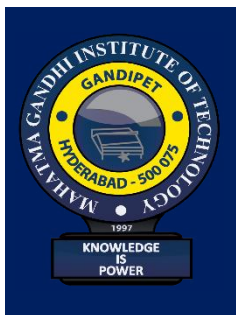
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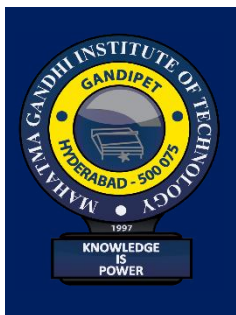
13. One Week e-Faculty Development Programme on “Skilling Teachers for Online Education” organized by Department of Humanities, UKA Tarsadia University, Gujarat from 2nd to 6th June 2020.
14. "Webinar Lecture Series on Modern Physics and Materials Science" held on 26th to 30th May 2020 organized by the Department of Physics, Govt. Holkar Science College, Indore (M.P), India.
15. A 5-day FDP on “Meeting the challenges of Teacher in Modern Engineering Education” organized by In-house Center (ITC), CBIT, Hyderabad on 12-17 June 2017.

STTPs:

16. A seven-day International Short-Term Programme-V (ISTTP-V) (hybrid mode) on “Production and Regulation of Chemicals and Toxins for Environmental Conservation” during 7th – 13th December 2022 organized by Raj Rishi Govt. Autonomous College, Alwar, Rajasthan, India.
17. Online Short-Term Training Programme (STTP) on Journey of Analytical Techniques in Chemical and Biological Sciences (JATCBS– 2022) held during 18th – 22nd April, 2022 Organized by Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, India in Association with Centre for Continuing Education (CCE), SVNIT, Surat.
18. National Level Online One Week Short Term Course on “Green Audit” organized by Department of Environmental Science, Osmania University and Environment Protection Training and Research Institute- (EPTRI), Hyderabad, Telangana, India during 09th - 14th August 2020.
19. AICTE approved a short course on "Learn to Design your own Solar Home System" as a part of Energy Literacy Drive of the Energy Swaraj Foundation in association with Mahatma Gandhi Institute of Technology Hyderabad. Completed on 30th August 2020.
20. National Level One-Week Online Training Programme on “Sci Lab using Computational Software” organized by Government Degree College for Women (A), Begumpet, Hyderabad, Telangana State, in collaboration with Spoken Tutorial Project, IIT Bombay from 8th -13th June 2020.

Seminars/Webinars:

21. An international webinar on "Green Chemistry: A pathway for environmental sustainability and remediation" sponsored By Indian Chemical Society, Bhagalpur chapter organized By University Department of chemistry T.M. Bhagalpur University, Bhagalpur-812007 on July 25, 2021.
22. A Webinar on: Virtual Labs: Effective Tool for Teaching and Learning organized by G. H. Raisonni Institute of Engg. & Technology, Nagpur (an Autonomous Institute) on 19th June 2021.
23. One-day NRCE Faculty Enrichment Webinar: Chemistry organized by National Resource Center for Education, National Institute of Educational Planning and Administration (NIEPA), (Deemed to be University) on 11th Feb 2021.
24. Two-day e-international webinar on “Empowering Women: A Paradigm Shift in NEP 2020” conducted on 8th and 9th Jan 2021 organized by Department of M&H, P&C, CSE and IT, Mahatma Gandhi Institute of Technology, Hyderabad.
25. A webinar on “Chemistry in Ancient India” on 7th November 2020 organized by TIFR Mumbai, IACS Kolkata and IISER Kolkata and supported by VIBHA, American Chemical Society (ACS), Royal Society of Chemistry (RSC), and Indian Chemical Society, Kolkata.
26. A webinar on “National Education Policy-2020” conducted on 26th September 2020 by UBA Cell, MGIT, Hyderabad.

**ADDRESS:**

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JNTUH ID:**9715-180703-001326****EMAIL:**

archanajain_chem@mgit.ac.in

DATE OF JOINING:

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EXPERIENCE

- Teaching – 7
- Research - 9

SUMMARY:

- Publications - 19
- Conferences - 18
- Patents – 1
- Books – 1
- Honors/Awards - 7

EVENTS:

- Organized - 03
- Attended - 53

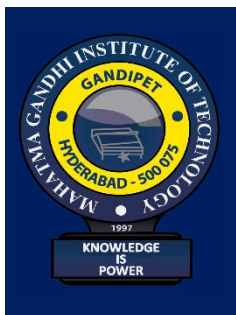
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27. An International webinar on “Frontiers in Science & Technology” on 5th & 6th, September 2020 is jointly organized by Dept. of Chem. & Pharm. Sciences, Mahatma Gandhi University, Nalgonda, Telangana State & Indian Chemical Society & American Chemical Society (Indian International Chemical Sciences Chapter)
28. A Two-Day Online National Webinar (For Chemistry Higher Education Teachers) on “Empowering Chemistry Teachers for 21st Century Higher Education” jointly organized by GAD-TLC (PMMMNMTC Centre of Ministry of Education, GoI) and National Resource Centre of Chemistry of MHRD, SGTB Khalsa College, University of Delhi and IQAC & Department of Chemistry, St. John’s College, Agra on 28th and 29th July 2020.
29. A three-day international webinar on “Pivotal role of Chemistry/Chemical Engineering in Present Scenario -2020” organized by Department of Humanities and Sciences, VNRVJIET, Hyderabad on 20th - 22nd July 2020.
30. A webinar on “Outcome Based Education Software” organized by vmedulife software services on 16th July 2020.
31. One Day National Webinar entitled “Changing Dynamics of Higher Education in India: Role of ICT” jointly organized by GAD-TLC (PMMMNMTC Centre of Ministry of Education, GoI), SGTB Khalsa College, University of Delhi and Mata Gujri College, Fatehgarh Sahib on 07 July 2020.
32. An International Webinar titled “Fundamentals of Effective Scientific Writing: Manuscripts and Grant Confirmation” on 9th June 2020 Organized by American Chemical Society.
33. A webinar on the topic “Virtual Interactive Classroom for teachers and the Challenging Technologies” on 5th June 2020 organized by Institute for Engineering Research and Publication (IFERP) through virtual platform.
34. A national webinar on “Creative writing of Research proposals and Articles” on 4th June 2020 organized by Department of Physics, Adikavi Nannaya University, Rajamahendravaram through virtual platform.
35. A Webinar titled “Laboratory Safety Practices” held on 31st May 2020, hosted by Department of Chemistry, SIES College of Arts, Science and Commerce (Autonomous), Sion (West), Mumbai – 400 022.
36. An International Webinar titled “ACS Guide for Scholarly Communication Expert Advice for Early Careers Researchers” on 27th May 2020 Organized by American Chemical Society.
37. A national webinar on “Ethical and Moral Values” held on 23rd May 2020 at 6-7 pm organized by Department of Humanities and Sciences, CMR Engineering Colleges, Hyderabad.
38. An online program on “Awareness Program on Outcome based Education (OBE) on 22nd May 2020 organized by Department of Aeronautical Engineering, MLR Institute of Technology, Hyderabad
39. An online faculty program on NBA on 13rd May 2020 organized by Bharathi Vidyapeeth College of Engineering, Navi Mumbai.

FIPs/Refresher Courses/ Workshops:**FIP:**

40. “Online Faculty Induction/Orientation Programme for Faculty in Universities/Colleges/Institutions of Higher Education” organized by the Teaching Learning Centre (TLC), Ramanujan College Delhi under the Ministry of Education sponsored PMMMNMTC Scheme during 11th Feb-13th March 2021.

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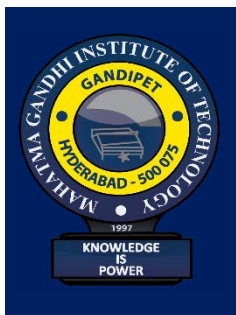
41. Online Refresher Course in Chemistry for Higher Education organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers, and Teaching (PMMMNTT) Project of MHRD, GoI. (Swayam ARPIT Online Certified Course -40 hours Programme for CAS promotion) Duration: 16 weeks, Sep – Dec 2019.

Workshops:

42. One-week workshop (hybrid mode) on "Innovation, Entrepreneurship and Start-Up for Young" organized by NIT Mizoram from 26th September to 30th September 2022.
43. A Three-Day National Workshop to Promote Human Values among Youth held during 15-17 September 2022, Organized by Career Development Cell (CDC), Mahatma Gandhi Institute of Technology (MGIT), Gandipet, Hyderabad under the aegis of Promoting Interests, Creativity, and Ethics among Students (SPICES), AICTE.
44. The ChemCollective Virtual Lab Advanced one-week workshop organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by PMMMNTT, an initiative of the Ministry of Human Resource Development, Government of India, held during 28th Nov-3rd Dec. 2020
45. On-line One Week Workshop Incorporating Universal Human Values in Education for Directors, Deans and Faculties organized by AICTE during 24th-28th August 2020.
46. One-day e-Workshop on “Materials Processing Technology” conducted on 27th June 2020 Organized by Department of P&C, Mahatma Gandhi Institute of Technology, Hyderabad.
47. One Day Workshop on “The Bodhi Tree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop” conducted by the Teaching Learning Centre (ICT) Funded by the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, MHRD, Govt. of India on 20th -21st June 2020 coordinated from IIT Bombay.
48. “The Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop” organized by IIT B-NMEICT on 16th May 2020.

Online Certifications:

49. NPTEL-AICTE Approved FDP Course on “Analytical Chemistry” conducted by Prof. Debashish Ray IIT Kharagpur. Duration: 12 weeks; Sep. – Dec. 2020.
50. Self-Paced Skill Programme on “English for oral communication” organized by IITBombayX-LAKSHYA (MOOC Platform) funded by PMMMNTT, an initiative of the Ministry of Human Resource Development, Government of India. Duration: 4 week, 15th July- 15th Dec 2020.
51. Certified Coursera Course on the topic “Introduction to Molecular Spectroscopy” Duration: 4 Weeks, Completed on 21st May 2020.
52. NPTEL - AICTE Approved FDP Course on “Chemical Crystallography” conducted by Prof. Angshuman Roy Choudhary, IISER Mohali. Duration: 12 weeks; Jul - Oct 2019
53. AICTE Approved FDP Course 101x on “Foundation program in ICT for Education” conducted by IIT Bombay through MOOC & A-view interaction under the aegis of PMMMNTT, MHRD, GoI. Duration: Sept.- Oct. 2018.



Any Other Contribution:

1. Appointed as a Doctoral Committee Member by Department of Chemistry, IIT Hyderabad

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