

RESEARCH & DEVELOPMENTS

AREAS OF RESEARCH INTEREST:

- ❖ Neuropharmacology including anti-convulsant, anti-depressant, anti-anxiety, anti-Parkinson's activities.
- ❖ Computer aided drug design (Molecular Docking, Pharmacophore Modeling, Virtual Screening, ADMET Prediction).
- ❖ Synthesis and biological activities of heterocyclic nucleuses such as Pyrazolines, 4-Thiazolidinones, Azoles, Diazoles, Oxazoles, Thiazoles, Coumarins, Piperidin-4-ones.
- ❖ Synthesis and biological activities of Schiff's and Mannich base derivatives.
- ❖ Antimalarial activity of Natural & synthetic compounds.
- ❖ Microwave assisted organic synthesis and extraction.
- ❖ Repurposing or repositioning of drugs.
- ❖ Nanochemistry (Carbon Nanotropes).

RESEARCH PAPERS:

International:

- ❖ Uma Devi, Manjari Singh, Subhadeep Roy, **Avinash C. Tripathi**, Pushpraj S. Gupta, Shailendra K. Saraf, Md. Nazam Ansari, Abdulaziz S. Saeedan, Gaurav Kaithwas. PHD-2 Activation: A Novel Strategy to Control HIF-1 and Mitochondrial Stress to Modulate Mammary Gland Pathophysiology in ER+ Subtype. *Naunyn-Schmiedeberg's Archives of Pharmacology*. DOI: <https://doi.org/10.1007/s00210-019-01658-7> (**Springer: Impact Factor; 2.34**). ISSN: 0028-1298 (Print) 1432-1912 (Online).
- ❖ Shailendra K. Saraf, M. S. M. Rawat, **Avinash C. Tripathi**, Synthesis and Development of Some Quinolone/Fluoroquinolone- Latentiated Drug Polypeptide Systems and Their Antimicrobial Evaluation. *International Journal of PharmTech Research*, **2018**: 11(10), 298-307. (**Sphinx Knowledge House: Impact Factor; 0.0**). ISSN: 0974-4290 (Print), 2455-9555 (e-Online).
- ❖ **Avinash C. Tripathi**, Savita Upadhyay, Sarvesh Paliwal and Shailendra K. Saraf. Derivatives of 4,5-dihydro (1H) pyrazoles as possible MAO-A inhibitors in depression and anxiety disorders: synthesis, biological evaluation and molecular modeling studies. *Medicinal Chemistry Research*, **2018**, 27, 1485-1503. (**Springer: Impact Factor; 1.61**). ISSN: 1054-2523 (Print) 1554-8120 (Online).

- ❖ **Avinash C. Tripathi**, Savita Upadhyay, Sarvesh Paliwal, Shailendra K. Saraf, N1-Benzenesulfonyl-2-pyrazoline hybrids in neurological disorders: syntheses, biological screening and computational studies, *EXCLI Journal*, **2018**, 17, 126-148, (**IfADo-Leibniz Research Centre for Working Environment and Human Factors: Impact Factor; 2.42**). ISSN 1611-2156.
- ❖ Eti Mehrotra, Jyotsna Vishwakarma, **Avinash C. Tripathi**, Pankaj K. Sonar & Shailendra K. Saraf. Schizonticidal antimalarial sesquiterpene lactones from *Magnolia champaca* (L.) Baill. Ex Pierre: microwave-assisted extraction, HPTLC fingerprinting and computational studies. *Natural Product Research*, **2017**, (**Informa UK Limited, Taylor & Francis Group: Impact Factor; 1.92**). ISSN: 1478-6419, (Print), 1478-6427 (Online).
- ❖ Savita Upadhyay, **Avinash C. Tripathi**, Sarvesh Paliwal and Shailendra K. Saraf. Facile One-pot Synthetic Methodologies for Nitrogen Containing Heterocyclic Derivatives of 3,5-Disubstituted 4,5-Dihydro-1*H*-Pyrazole, their Biological Evaluation and Molecular Docking Studies. *Pharmaceutical Chemistry Journal*, **2017**, 51 (7), 536-547. (**Springer: Impact Factor; 0.68**). ISSN: 0091-150X (Print), 1573-9031 (Online).
- ❖ Savita Upadhyay, **Avinash C. Tripathi**, Sarvesh Paliwal, Shailendra K. Saraf, 2-Pyrazoline Derivatives In Neuropharmacology: Synthesis, ADME Prediction, Molecular Docking And *In-Vivo* Biological Evaluation, *EXCLI Journal*, **2017**, 16:628-649. (**IfADo-Leibniz Research Centre for Working Environment and Human Factors: Impact Factor; 2.42**). ISSN: 1611-2156.
- ❖ Ashok Kumar Singh, **Avinash C. Tripathi**, Aseem Tewari, Viney Chawla and Shailendra K. Saraf. Design and microwave facilitated green synthesis of 2-[4-(3-carboxymethyl, methoxy carbonylmethyl-2,4-dioxo and 4-oxo-2-thioxo-thiazolidin-5-ylidenemethyl)-phenoxy]-2 and 3-methyl propionic acid ethyl ester derivatives: A novel structural class of antidyslipidemic agents, *Medicinal Chemistry Research*, **2017**, 26(7), 1535–1549. (**Springer: Impact Factor; 1.61**). ISSN: 1054-2523 (Print) 1554-8120 (Online).
- ❖ Shailendra K. Saraf, M. S. M. Rawat, **Avinash C. Tripathi**, Synthesis and Development of Some Biodegradable Polypeptides as Antimicrobial Agents. *International Journal of PharmTech Research*, **2017**: 10(2), 1021-1030. (**Sphinx Knowledge House: Impact Factor; 0.0**). ISSN: 0974-4304 (Print), 2455-9563 (e-Online).
- ❖ Kirti Diwakar, Pankaj Kumar Sonar, Mudita Mishra, Avinash C. Tripathi, Shailendra K. Saraf. Facile synthesis, molecular docking and toxicity studies of 4-Phenyl-3-phenylamino-4*H*-[1,2,4]thiadiazol-5-one analogs as GABAA receptor agonists,

Medicinal Chemistry Research, **2016**, 25 (11), 2631–2642. (**Springer: Impact Factor; 1.61**). ISSN: 1054-2523 (Print) 1554-8120 (Online).

- ❖ Vandana, **Avinash C. Tripathi** and Shailendra K. Saraf. Bioactive nonsterol triterpenoid from *Streblus asper* Lour: Microwave assisted extraction, HPTLC profiling, computational studies and neuropharmacological evaluations in BALB/c mice. *Pharmaceutical Biology*, **2016**, 54 (11), 2454-2464. (**Taylor & Francis: Impact Factor; 1.92**). ISSN: 1388-0209 (Print) 1744-5116 (Online).
- ❖ **Avinash C. Tripathi**, Savita Upadhyay, Sarvesh Paliwal and Shailendra K. Saraf. An Expedient One-Pot Microwave Facilitated Versus Conventional Syntheses, *In-vivo* Biological Screening and Molecular Docking Studies of Some 3,5-Disubstituted-4,5-Dihydro-(1*H*)-Pyrazole Derivatives. *Medicinal Chemistry Research*, **2016**, 25 (3), 390-406. (**Springer: Impact Factor; 1.61**). ISSN: 1054-2523 (Print) 1554-8120 (Online).
- ❖ Prateek Kumar Mishra, S. Upadhyay, **Avinash C. Tripathi**, Shailendra K. Saraf. Stability Indicating Liquid Chromatographic Determination of Pantoprazole, Domperidone and Drotaverine. *International Journal of PharmTech Research*, **2015**, 8, (5), 912-923. (**Sphinx Knowledge House: Impact Factor; 0.0**). ISSN: 0974-4304 (Print), 2455-9563 (e-Online).
- ❖ Bidhyut Kumar Dubey, Kiran Singh, **Avinash C. Tripathi**, Mary Koshy, Shailendra K. Saraf. *Artocarpus lakoocha* Fruits: Phytochemical Investigation and Anti-spermatogenic Potential. *The Natural Products Journal*, **2015**, 5, 50-56. (**Bentham Science Publishers: Impact Factor; 0.0**). ISSN: 2210-3155 (Print), 2210-3163 (Online).
- ❖ Neha Singh, **Avinash C. Tripathi**, Aseem Tewari, Ravi Kumar, Shailendra K. Saraf. Ulcerogenicity devoid novel non steroidal anti-inflammatory agents (NSAIDs): Syntheses, Structure-Activity Correlation and Computational Studies of 5-Arylidene-2-imino-4-thiazolidinones. *Medicinal Chemistry Research*, **2014**, 24, 1927-41. (**Springer: Impact Factor; 1.61**). ISSN: 1054-2523 (Print), 1554-8120 (Online).
- ❖ Purnima Tripathi, **Avinash C. Tripathi**, Viney Chawla, Shailendra K. Saraf. Syntheses, Characterization and Evaluation of Novel 2,6-Diarylpiperidin-4-ones as Nonsteroidal Analgesic-Antipyretic Agents. *European Journal of Medicinal Chemistry*, **2014**, 82, 439-448, (**Elsevier: Impact Factor; 4.82**). ISSN: 0223-5234.
- ❖ Kiran Singh, Bidhyut Kumar Dubey, **Avinash C. Tripathi**, Ajeet Pal Singh and Shailendra K. Saraf. Novel Male Contraceptive: Phytochemical Investigation and Anti-spermatogenic Activity of *Pistia stratiotes* Linn. *Natural Product Research*, **2014**, 28(16), 1313-7. (**Taylor & Francis: Impact Factor; 1.92**). ISSN: 1478-6419, (Print), 1478-6427 (Online).

- ❖ Priyanka Dixit, **Avinash C. Tripathi**, Shailendra K. Saraf. Synthesis and Characterization of Some Heteroaromatic Derivatives of 3-But-2-enoyl-chromen-2-one and Their Potential as Anti-Inflammatory Agents. *Journal of Heterocyclic Chemistry*, **2013**, 50 (6), 14-31-36. (**Wiley: Impact Factor; 1.14**). ISSN: 1943-5193 (Online).
- ❖ Shradha Bhandari, **Avinash C. Tripathi**, Shailendra K. Saraf. Synthesis and anticonvulsant activity of some 2-pyrazoline derivatives. *Medicinal Chemistry Research*, **2013**, 22(13), 5290-96. (**Springer: Impact Factor; 1.61**). ISSN: 1054-2523 (Print), 1554-8120 (Online).
- ❖ Shashi Kant Sahu, **Avinash C. Tripathi**, Mary Koshy, Shailendra K. Saraf. Novel 3-benzyl-2,6-diarylpiperidin-4-one derivatives: syntheses, characterization, and antimicrobial profile. *Medicinal Chemistry Research*, **2013**, 23(1), 67-75. (**Springer: Impact Factor; 1.61**). ISSN: 1054-2523 (Print) 1554-8120 (Online).
- ❖ **Avinash C. Tripathi**, Rajiv Gupta, Shailendra K. Saraf. Phytochemical investigation characterization and anticonvulsant activity of *Ricinus communis* seeds in mice. *Natural Product Research*, **2011**, 25, (19), 1881-4. (**Taylor & Francis: Impact Factor; 1.92**). ISSN: 1478-6419, (Print), 1478-6427 (Online).

National:

- ❖ Jyoti Singh, **Avinash C. Tripathi**, Shailendra K. Saraf. Computer Aided Drug Repositioning and Biological Evaluation against Parkinson's Disease. *International Journal of Scientific and Innovative Research*, **2016**, 4(2), 1-8. (**An Official Journal of Sky Institute: Impact Factor; 0.0**). ISSN: 2347-2189 (Print), 2347-4971 (e-Online).
- ❖ Jaswinder Kaur Virk, Sanjiv Kumar, Ranjit Singh, **Avinash C. Tripathi**, Shailendra K. Saraf, Vikas Gupta, Parveen Bansal, Isolation and characterization of quinine from *Polygonatum verticillatum*: A new marker approach to identify substitution and adulteration, *Journal of Advanced Pharmaceutical Technology & Research*, **2016**, 7 (4), 153-158. (**Society of Pharmaceutical Education & Research: Impact Factor; 0.0**).
- ❖ **Avinash C. Tripathi**, Pankaj Kumar Sonar, Ravindranath Rathore and Shailendra K. Saraf. Structural Insights into the Molecular Design of HER2 Inhibitors. *Open Pharmaceutical Sciences Journal*, **2016**, 3, 3-20. (**Bentham Science Publishers: Impact Factor; 0.0**). ISSN: 1874-8449 (Online).
- ❖ Gopal Ji Baranwal, Savita Upadhyay, **Avinash C. Tripathi**, Shailendra K. Saraf. Stability Indicating RP-HPLC Method for Simultaneous Estimation of Anti-Diabetic and Anti-Hypertensive Drugs. *RASAYAN Journal of Chemistry*, **2015**, 8, (3), 287-297 (**RJC: Impact Factor; 0.0**). ISSN: 0974-1496 (Print), 0976-0083 (Online).

REVIEW ARTICLES:

International:

- ❖ **Avinash C. Tripathi**, Savita Upadhyay, Sarvesh Paliwal, Shailendra K. Saraf, Monoamine oxidase inhibitors: Retrospects and prospects, *European Journal of Medicinal Chemistry*, **2018**, 145, 445-497, (**Elsevier: Impact Factor; 4.82**) ISSN: 0223-5234.
- ❖ **Avinash C. Tripathi**, Shubhini A. Saraf and Shailendra K. Saraf. Carbon Nanotropes: A Contemporary Paradigm in Drug Delivery. *Materials*, **2015**, 8, 3068-3100. (**MDPI: Impact Factor; 2.47**). ISSN: 1996-1944; CODEN: MATEG9.
- ❖ **Avinash C. Tripathi**, S.J. Gupta, G.N. Fatima, P.K. Sonar, A. Verma, S.K. Saraf. 4-Thiazolidinones: The Advances Continue... *European Journal of Medicinal Chemistry*, **2014**, 72, 52-77. (**Elsevier: Impact Factor; 4.82**). ISSN: 0223-5234.
- ❖ Amit Verma, Mange Ram Yadav, Rajani Giridhar, Navnit Prajapati, **Avinash C. Tripathi**, Shailendra K. Saraf. Nitrogen Containing Privileged Structures and their Solid Phase Combinatorial Synthesis. *Combinatorial Chemistry & High Throughput Screening*, **2013**, 16, (5), 345-93. (**Bentham Science Publishers: Impact Factor; 1.21**). ISSN: 1386-2073 (Print), 1875-5402 (Online).
- ❖ Shashi Kant Sahu, Bidhyut Kumar Dubey, **Avinash C. Tripathi**, Mary Koshy, Shailendra K. Saraf. Piperidin-4-one: The Potential Pharmacophore. *Mini Reviews in Medicinal Chemistry*, **2013**, 13, (4), 565-83. (**Bentham Science Publishers: Impact Factor; 2.66; No IF in 2017 list**). ISSN: 1389-5575 (Print), 1875-5607 (Online).

National:

- ❖ Jagdish S. Dua, D.N. Prasad, **Avinash C. Tripathi**, Rajiv Gupta. Role of Traditional Medicine in Neuropsychopharmacology. *Asian Journal of Pharmaceutical and Clinical Research*, **2009**, 2, (2), 72-76. (*Impact Factor; 0.0*). ISSN: 0974-2441(Print), 2455-3891 (online).

BOOKS/BOOK CHAPTERS:

- ❖ Vandana Verma, **Avinash C. Tripathi** and Shailendra K. Saraf. *Streblus asper*: Extraction, HPTLC Profile and Anticonvulsant Activity, *Lambert Academic Publishing, Germany*, **2016**, ISBN: 978-3-659-91501-7.
- ❖ **Avinash C. Tripathi**, Shubhini A. Saraf, Shailendra K. Saraf. Carbon Nanotropes as Drugs and Drug Delivery Systems. In *Advancement in Carrier Based Drug Delivery*, Biohealthcare Publishing House (Oxford), UK: **2013**.

- ❖ **Avinash C. Tripathi**, Rajiv Gupta, Shailendra K. Saraf. Ricinus communis: Herbal Remedy for Convulsions. *Lambert Academic Publishing, Germany, 2011*, Project: #21074 ISBN: 978-38443-8865-7.

ORAL PRESENTATIONS:

- ❖ **Avinash C. Tripathi**^{*}, Sarvesh Paliwal and Shailendra K. Saraf. Syntheses, Neuropharmacological Evaluation and Molecular Modeling Studies of Some Novel 1,3,5-Trisubstituted-4,5-Dihydro-1*H*-Pyrazoles as MAO-A Inhibitors. *Satellite International Pharmaceutical Conference on Nanoformulations and Translational Research: Challenges and Implications*, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 20, 2017**.
- ❖ **Jyotsna Vishwakarma**^{*}, **Avinash C. Tripathi**^{*}, and Shailendra K. Saraf. Ligand Based Pharmacophore Modeling and *In Silico* ADMET Prediction of Some Novel Antimalarial Agents. *Satellite International Pharmaceutical Conference on Nanoformulations and Translational Research: Challenges and Implications*, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 20, 2017**.
- ❖ **Gul Naz Fatima**^{*}, Jyotsna Vishwakarma, **Avinash C. Tripathi**^{*}, and Shailendra K. Saraf. Design of Prodiginine Based Novel Antimalarial Agents: Pharmacophore Modeling, Virtual Screening and ADMET Prediction. *Satellite International Pharmaceutical Conference on Nanoformulations and Translational Research: Challenges and Implications*, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 20, 2017**.
- ❖ **Avinash C. Tripathi**^{*}, Sarvesh Paliwal and Shailendra K. Saraf. Docking Validation and Use of Structural Inputs in the Designing of MAOIs. *International Pharmaceutical Conference on Nanoformulations and Translational Research: Small Getting Bigger*, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 2-3, 2015**.

POSTERS:

International:

- ❖ **Jyotsna Vishwakarma**, **Avinash C. Tripathi**, Shailendra K. Saraf. E-Pharmacophore Based Database Screening, *In Silico* ADME Prediction and Molecular Docking Studies of Some Potential HER2 Inhibitors. *International Pharmaceutical Conference on Nanoformulations and Translational Research: Small Getting Bigger*, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 2-3, 2015**.

- ❖ Archana Pandey, Vandana, **Avinash C. Tripathi**, Shailendra K. Saraf. Microwave Facilitated Extraction, Molecular Docking Guided Isolation and Anticonvulsant Activity of Stem Bark of *Streblus asper* Lour. *International Pharmaceutical Conference on Nanoformulations and Translational Research: Small Getting Bigger*, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 2-3, 2015**.
- ❖ Alka Verma, **Avinash C. Tripathi**, Shailendra K. Saraf. Novel Microwave Facilitated Synthesis and Characterization of Neomycin Silver Nanocomposites. *International Pharmaceutical Conference on Nanoformulations and Translational Research: Small Getting Bigger*, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 2-3, 2015**.
- ❖ Priyanka. Dixit, Shiv ji Gupta, **Avinash. C. Tripathi** and Shailendra. K. Saraf. 3-But-2-Enoyl-Chromen-2-One Derivatives: Synthesis, Characterization and Analgesic activity, *International Conference on Perspective and Challenges in Pharmacy and Health Care Systems (ICPHCS)*, organized by Manav Institute of Pharmacy (MIP), V.P.O.-Jevra, Hisar (Haryana.), India, **21-23 September, 2012**.
- ❖ Shradha Bhandari, Anand Kr. Srivastava, **Avinash C. Tripathi** and Shailendra K. Saraf. "Novel Pyrazoline Derivatives as anticonvulsant Agents", *International Conference on Recent Advances in Pharmaceutical Sciences*, BHU, Banaras, **2010**.

National:

- ❖ Sneha Singh, **Avinash C. Tripathi**, and Shailendra K. Saraf, Role of 1,3,5-Trisubstituted 2- Pyrazoline Derivatives in Neurological Disorders: Microwave Assisted Synthesis, Biological Evaluation and Molecular Docking, at 70th IPC, Noida, held on **21-22 Dec. 2018**.
- ❖ Jyoti Singh, **Avinash C. Tripathi**, Shailendra K. Saraf. National Conference on Pharmacists:"Caring For You" on **25th Sep 2016** Organized by GIPS, Lucknow.
- ❖ Jyoti Singh, Jyotsna Vishwakarma, **Avinash C. Tripathi**, Shailendra K. Saraf. "Shape bases screening of some novel antimalarial agents". 8th NIPER(RBL)-CSIR-CDRI Symposium on 'Current Trends in Medicinal Chemistry and Pharmaceutical Sciences in Drug Discovery', held at NIPER, Rae Bareilly, U.P., India, **18-19 March, 2016**.
- ❖ Vandana, Alka Verma, **Avinash C. Tripathi**, and Shailendra K. Saraf. "Microwave assisted extraction, phytochemical investigation and anticonvulsant activity of stem bark of *Streblus asper* Lour." 25th IHPA Goldcon, held at BBAU, Lucknow, **1-2 March 2014**.
- ❖ Alka Verma, Sandeep K. Singh, **Avinash C. Tripathi**, Priyanka Maurya, Shailendra K. Saraf, "Taguchi Orthogonal Array Design Based Gastroretentive Floating

Microballoons to Improve the Bioavailability of Arteemether”, 6th Niper (RBL)-CDRI Symposium on Current Scenario in Drug Discovery & Development, CSIR-Central Drug Research Institute, Lucknow, **20-22 February 2014**.

- ❖ Vandana, Alka Verma, **Avinash C. Tripathi**, and Shailendra K. Saraf. Microwave facilitated extraction, phytochemical investigation and antidepressant activity of stem bark of *Streblus asper* Lour. *65th IPC*, Delhi NCR (Noida), **2013**.
- ❖ Shradha Bhandari, Vandana, **Avinash C. Tripathi** and Shailendra K. Saraf. “Synthesis, characterization and evaluation of pyrazoline derivatives as anticonvulsant agents”, *National Conference on Evolution of Pharmacy Profession and Contribution in the National Healthcare*, organized by College of Pharmacy, SR Group of Institutions, Ambabai, Jhansi (U.P.), **20th October, 2012**.
- ❖ Priyanka. Dixit, Ashutosh Shivhare, **Avinash. C. Tripathi** and Shailendra. K. Saraf. Synthesis and Characterization of Some Heteroaromatic Derivatives of 3-But-2-Enoyl-Chromen-2-One and Their Potential as Anti-Inflammatory Agents. *4th CDRI-NIPER (RBL) Symposium*, March **2012**.
- ❖ Kiran Singh, Anamika Mishra, **Avinash C. Tripathi** and Shailendra. K. Saraf. “Simultaneous Estimation of Some Anti-diabetic Drugs by Reverse Phase High Performance Liquid Chromatography”, *3rd CDRI-NIPER (RBL) Symposium*, March **2011**.
- ❖ Priyanka. Dixit, M. Verma, **A. C. Tripathi** and Shailendra. K. Saraf. “Syntheses and Biological Evaluation of 5-Arylidene Substituted 4-Thiazolidinone Derivatives”, *IPA Convention*, Indore, **2011**.
- ❖ Ritika Srivastava, Vishal Dubey, **Avinash Chandra Tripathi**, Shailendra Kumar Saraf. “Synthesis and Evaluation of Peptide Conjugates of Dopamine”, *62nd IPC*, Manipal, **2010**.
- ❖ Neha Singh, **Avinash Chandra Tripathi**, Rajiv Gupta, Shailendra Kumar Saraf. “Comparative Study of Castor Oil Obtained by Expression and Extraction Methods”, *62nd IPC*, Manipal, **2010**.
- ❖ Shyam Kulshrestha, Rajesh K. Punia, **Avinash C. Tripathi**, Manvi, Rajiv Gupta, “Anticonvulsant activity of barks of *Juniperus communis* Linn.”, *International Herbal Conference*, Bangalore, February **2009**.

Trainings/ workshops/ CONFERENCES/ SEMINARS ATTENDED:

- ❖ Participated in an App Indo-African Conference on the theme “Trends and Scenario of Pharmaceutical Sciences and Research”, Organized by APP Uttar Pradesh Branch, Foundation of Pharmacy Professionals, APP Ethiopian International Branch, in collaboration with Arya College of Pharmacy, R.K. Institute of Pharmacy, ACME Institute of Pharmacy, at IMA Hall, Bareilly, U.P., on **30th Nov. 2019**.
- ❖ Participated in a National Level Training cum Certification Program on “Drug Discovery Designing and Development”, Conducted by Mahatma Gandhi Institute of Pharmacy Lucknow in collaboration with Zonal Championship and Shaastra IIT Madras Event in association with www.makeintern.com, on **7-9 Nov. 2019**.
- ❖ Participated in a seminar on “*Innovative Software for Molecular Discovery and Design*”, organized by Cresset Software, at CSIR-CDRI, Lucknow, on **20th Nov. 2018**.
- ❖ Participated in 1 week UGC Networking Training Course under Module B-2 on “*Evolving Methodologies in Drug Discovery and Analysis*”, organized by UGC Networking Resource Centre, UIPS, Panjab University, Chandigarh, dated **12-17 March, 2018**.
- ❖ Participated in “*National Conference on Tourists and Green Spaces: Healthier Lifestyle Approaches from Nature*” Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, Supported by Ministry of Tourism, Govt. of India, **Feb 15 & 16, 2017**.
- ❖ Participated in “*Satellite International Pharmaceutical Conference on Nanoformulations and Translational Research: Challenges and Implications*” Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 20, 2017**.
- ❖ Participated in “*International Pharmaceutical Conference on Nanoformulations and Translational Research: Small Getting Bigger*”, Organized by Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India, **Feb 2-3, 2015**.
- ❖ Participated in “*INDO-US conference on Molecular Modeling and Informatics in Drug Design*”, NIPER, Mohali, India, **3-6 November, 2014**.
- ❖ Participated in 25th IHPA Goldcon, Golden Jubilee Conference on the theme “*Restructuring Pharmacy Curricula: Need of Health sector*”, held at BBAU, Lucknow, **1-2 March 2014**.
- ❖ Participated in 2 week UGC Networking Training Course under Module B-1 on “*Computer Aided Drug Design: Hands-on Workshop*”, organized by UGC Networking

Resource Centre, UIPS, Panjab University, Chandigarh, dated **28th Jan. to 9th Feb. 2013.**

- ❖ Participated in 2 days workshop on “*Role of Intellectual Property Rights in Pharmaceutical Industry*” organized by BBDNIIT, Lucknow in association with Indian Institute of Patent and Trademark Attorney, Delhi, dated **17th & 18th April 2012.**
- ❖ Participated in a 3 day “*National Seminar cum Workshop on Emerging Trends in Computer Aided Drug Design (NAWCADD)*”, organized by Global Institute of Pharmaceutical Education and Research, (supported by Schrodinger Inc.) Kashipur, Uttarakhand, on **6- 8th April 2012.**
- ❖ Participated in a 6 day “*Short Term Training Programme (STTP) on Computer Aided Drug Design (CADD)*”, organized by School of Pharmaceutical Sciences, Shobhit University, Meerut, on **March 19-24, 2012.**
- ❖ Participated in a “*DST Sponsored Seminar on Ethical Principles in Pharmaceutical Research*”, organized by School of Pharmaceutical Sciences, Shobhit University, Meerut, on **7th May 2011.**
- ❖ Participated in an “*International Seminar on Recent Advances in Pharmaceutical Sciences*”, organized by IT-BHU, Banaras, **Dec. 2010.**
- ❖ Attended Seminar on “*46th IHPA National Convention, 2009*” and Silver Jubilee celebration of IHPA UP state branch, **Oct 24-25, 2009.**
- ❖ Participated in 1st CDRI-NIPER (RBL) Symposium on “*Medicinal Chemistry and Pharmaceutical Sciences*” held at CDRI, Lucknow, **March 2009.**
- ❖ Participated in an International seminar on “*Emerging Trends in Pharmaceutical Sciences*” organized by UP Technical University, Lucknow at Hotel Taj Residency, Lucknow, **2006.**
- ❖ Participated in “*Regional Seminar on Clinical Research*” held at convention centre, K.G.M.U., Lucknow, **2005.**
- ❖ Participated in one month “*Industrial Training*”, in tablet, capsule, syrup, parenteral, QA & QC, packaging & labeling sections at UPDPL, Lucknow, **June 2004.**
- ❖ Participated in seminar at CDRI Lucknow in National Pharmacy Week, **Nov. 2003.**
- ❖ Presented a model on “Heart” in “*National Technical Fete*” (SRMS College Bareilly) during National Pharmacy Week, **Nov. 2002.**
- ❖ Participated in a seminar on “*Concepts & Modern Approach for the Budding Pharmacist*”, **April 2002.**