

Dr. Vishwa Deepak Tripathi

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C. M. Science College, Darbhanga
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DOB: 11th July 1986

Nationality: Indian

Sex: Male



Work Experience

Course Co-ordinator

*Bachelor of Computer Application (BCA)
C. M. Science College, Darbhanga
A Constituent unit of L N Mithila University
Kameshwaranagar, Darbhanga, Bihar*

**September 2025 till
Today**

Assistant Professor and Head

*Department of Chemistry
C. M. Science College, Darbhanga
A Constituent unit of L N Mithila University
Kameshwaranagar, Darbhanga, Bihar*

**July 2022 till
Today**

Assistant Professor and Head

*Department of Chemistry
M. K. College, Laheriasarai, Darbhanga
A Constituent unit of L N Mithila University
Kameshwaranagar, Darbhanga, Bihar.*

**November 2017
June 2022**

CEFIPRA Postdoctoral Fellow at

*Laboratoire de Chimie de Coordination
Toulouse, France,*

In group of Prof **Anne-Marie CAMINADE** on the project “Original biocompatible phosphorous based dendrimers as a new strategy to tackle pulmonary tuberculosis.”
In collaboration of Prof. **Jean Perrie MAJORAL** and Prof. **Serge MIGNANI**.

**September 2015 to
September 2017**

Senior Research Associate at

*Zydus Cadila Healthcare Limited R&D (API)
Vadodara, Gujarat.*

**August 2012 to
August 2015**

- Here I worked on the development of **SAROGLITAZAR (lipaglyn)**, the first indigenous drug to treat **diabetic dyslipidemia** launched by Zydus Cadila.

- As a team member I was involved to develop and validate the scale up process of **Saroglitazar** for commercial production.
- As a team member I was involved to develop scale up process for **ZYDPLA1** a novel **DPP-IV inhibitor** to treat diabetes.
- In addition to this during my industrial experience I worked on several drugs (*Etoricoxib, Mirabegron, Canagliflozin, Ticagrelor and Macitentan*) in order to develop novel non infringing process for DMF filing.
- Here I worked for the process development of novel polymorph for Mirabegron (drug for overactive bladder).
- At ZydusCadila I got opportunity to learn the steps involved in to take a drug from laboratory to ANDA filing, Para IV filing, DMF filing and up to commercial production.

Education

Ph.D.

Central Drug Research Institute, Lucknow. (JNU New Delhi) under Supervision of **Dr. Atul Kumar** on the topic “**Natural Product Inspired Design and Synthesis of Medicinally Active Heterocycles**”

August 2008 to August 2012

MSc.

*University of Lucknow
Chemistry (Ist division)*

2006 to 2008

BSc.

*University of Lucknow
Botany, Chemistry (Ist division)*

2003 to 2006

Intermediate

*Central board of Secondary Education
Physics, Chemistry, Maths, Biology, English (Ist division)*

2003

High School

*Central board of Secondary Education
Physics, Chemistry, Maths, Biology, English (Ist division)*

2001

Skills and Abilities

- Teaching Organic Chemistry to Undergraduate and Postgraduate students.
- Design, Synthesis, purification and characterization of molecules of therapeutic importance.
- To develop the Synthesis from milligram to multi-gram and up to pilot scale.
- Organic Synthesis involving multistep synthesis, Green chemistry, Organocatalysis and Multicomponent synthesis.

Familiar with Instruments

- Bruker NMR spectrometer 300 and 400 MHz
- HPLC (Agilent Technologies)
- UV-Visible spectrometer (JASCO)
- IR (Parkin Elmer)
- High pressure reactor (Parr reactor)
- Good experience of working under shlenk line and glove box.
- Buchi rotator evaporator.
- Microwave reactor.
- Hydrogenation autoclave.
- Sonicator
- UV Spectrophotometer
- Lyophilizer (Freeze Dryer)
- Ball milling apparatus

PhD Supervised

- 1) Mr. Pratyosh Kumar - Thesis Submitted
- 2) Ms. Nusheen Amber – Thesis Submitted
- 3) Mr. Om Prakash – Perusing
- 4) Mr. Keshav Kumar Jha – Pursuing

Meeting Presentation and Symposium:

1. Given oral presentation on topic “*Natural product inspired synthesis of Tryptanthrin glycoconjugates: potential antitubercular agents*” in **7th J-NOST symposium** held at **IISER mohali**, Chandigarh from 15th to 18th December. 2011
2. “*Synthesis of novel curcumin analogues as topoisomerase-II inhibitors.*” **CTDDR-2010**, held at CDRI, Lucknow.
3. “*Design and Synthesis of 1,3-biaryl sulfanyl derivatives as new anti breast cancer agents.* **3rd NIPER(RBL)-CDRI symposium** at CDRI Lucknow from 3rd to 5th march 2011.”
4. “*Synthesis of spirooxindoles as potential antihyperglycemic agents*”. **4thNIPER(RBL)-CDRI symposium** at CDRI Lucknow from 23rd to 25th Feb. 2012.

5. Attended national symposium on “*Natural product and organic synthesis*” held at Lucknow University on 26th march 2012.
6. Given Oral Presentation at *International Conference on Global Conference on The Control Of Greenhouse Gases* held at *BBAU Central University Lucknow*.
7. Given Oral Presentation at *National Conference on Click Chemistry-A Powerful Tool in Chemist Arsenal* held at Lalit Narayan Mithila University Darbhanga, Bihar.
8. Given Oral Presentation at *National Seminar on Impact of digitalization of public services on society* at Mahamaya Government Degree College Lucknow Uttar Pradesh on Topic “**Digital Education in India**” on 20-21 January 2018.
9. Given Oral Presentation at National Seminar at Mahatma Gandhi Central University Motihari Bihar.

Invited Lectures:

1. Delivered lecture as *Resource Person in one day International Seminar/Webinar on Topic “Sustainable Chemistry for the Future”* organized by T. P. College Madhepura (Constituent unit of B. N. Mandal University, Madhepura, Bihar) on 9th September 2020.
2. Delivered a *Keynote Lecture in one day national webinar on topic “Exigent Challenging Role of Chemists against Covid-19 Pandemic”* organized by the Department of Chemistry, S. K. R. College, Barbiga, Sheikhpura (A Constituent Unit of Munger University, Munger, Bihar) on 20th August, 2020.
3. Delivered lecture as *Resource Person in one day national webinar on topic “New Education Policy”* organized by T. P. College Madhepura (Constituent unit of B. N. Mandal University, Madhepura, Bihar) on 3rd September 2020.
4. Delivered *keynote Lecture in online one day Faculty Development Programme on topic “Tools to make effective Online Teaching in context of lockdown due to COVID-19”* on 21st may 2020 organised by Maharani Kalyani College Laheriasarai, Darbhanga Bihar.
5. Delivered *Invited Lecture in the Symposium on “Natural Product Based Therapeutics in Drug development” held at the NIPER-Raebareli Lucknow Campus* during February 14-15, 2019.
6. Presented paper under *Young Scientist Category in International Conference on Chemical Sciences: National and Global Perspective* on October 29-31, 2018 at Lucknow Christian College, Lucknow.
7. *Chaired a Session in International Ozone day Celebration on Topic “Chemical Phenomenon In Ozone Layer”* 16th September 2018 organized by Department of Chemistry, Nitishwar Mahavidyalaya, Muzaffarpur (A Constituent Unit of B. R. A. Bihar University Muzaffarpur).

8. *Contributed as Jury Member in Poster Competition on the International Ozone Day celebration on 16th September 2018* organized by Department of Chemistry, Nitishwar Mahavidyalaya, Muzaffarpur (A Constituent Unit of B. R. A. Bihar University Muzaffarpur).
9. Given *invited talk on “Fidelity on Digital Technology in Advanced Erudition” in one day workshop on Role of Communication skills in Emerging Trends of Sciences*” Organised by M. R. M. College Darbhanga on 28 May 2018.
10. Delivered *invited talk on β -Cyclodextrin catalysed synthesis of Tryptanthrin in water in the technical session of the three day national seminar on “Application of Green Chemistry in Remediation of Environment”* on 12-14, 2018 held at M.L.S.M. College Darbhanga (A constituent Unit of Lalit Narayan Mithila University) Bihar.
11. Delivered invited talk in 11th NIPER ® *Symposium on Natural Product Based Therapeutics in Drug Development* from 14-15 January 2019 at NIPER-Raebareli Lucknow campus.
12. Delivered invited talk *in UGC Sponsored National Seminar on Medicinal Chemistry* held at University Department of Chemistry, LNMU Darbhanga from 18-19 January 2019 on topic **Click Chemistry**.
13. Delivered Oral Presentation in *“Global Conference On the Control of Green House Gases at The Sources by Physical And Chemical Technology”* on April 22 – 24, 2019 at *Department of Chemistry, School of Physical and Decision Sciences, Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow India*.
14. Delivered Oral Presentation in the *International Carbohydrate Conference (CARBO-XXXIV)* held at *Department of Chemistry, University of Lucknow, Lucknow* India on December 5 – 7, 2019.
15. Participated in one day National Seminar on Flood & Drought: Causes, Impact and Management Organized by Department of Geography M. K. College Laheriasarai on 31st July 2019.
16. Delivered Oral Presentation in the *International Conference on Frontier Areas of Chemistry (ICFAC-2020)* held on 28-02-2020 to 29-02-2020 at *Mahatma Gandhi Central University, Motihari (East Champaran) Bihar*.
17. Delivered Oral Presentation on *“Synthesis and Anticancer Evaluation of Novel Original Phosphorous Dendrimers”* at The International Conference On Phosphorous, Boron and Silicon 2017 organised by Prem C July 3rd to July 5th In Paris.
18. Delivered Oral Presentation in *International E-Conference on Multifunctional Materials & Environment* held at University Department of Chemistry, LNMU Darbhanga on **1-2 February 2021**.
19. Delivered Keynote lecture in one day webinar on *Impact of COVID-19 pandemic on higher education in Indian Perspective* held at Saharsa on 24th May 2020 at M.L.T. College Saharsa.

20. Presented Oral Presentation in two days National Seminar on *Science and Technology for Sustainable Development with Women Empowerment* held at P. G. department of Chemistry L. S. College Muzaffarpur on 3 and 4 December 2021.
21. Delivered Invited talk in *International Conference on Emerging Trends in Science and Technology* held at M. L. T. College Saharsa on 23rd and 24th May 2022.
22. Delivered Invited Talk in *Training Program organized by Department of Chemistry, BBAU Lucknow* on topic IR Spectroscopy: Principles and Applications on 21 September 2023.
23. Delivered oral lecture in *International Conference on Role of Basic Sciences for Sustainable Future* held at university Department of Chemistry LNMU Darbhanga on 27th and 28th March 2023.
24. Delivered Oral Presentation in *Two days National Seminar on Academia-Industry Interface for NMR Analysis* held at BBAU Lucknow on 20th and 21st November 2023.
25. Presented Paper in *Multidisciplinary Seminar on Science, Technology, Social Science in Vedas and other Philosophies* held at C. M. Science college Darbhanga on 19th and 20th December 2024.
26. Delivered Short Invited Lecture in *International Conference on Nanochemistry and Theragnostics* held at University Department of Chemistry LNMU Darbhanga on 29th and 30th July 2024.
27. Delivered Short Invited Lecture in *International Conference on Chemistry for Materials and Sustainable future* held at University Department of Chemistry LNMU Darbhanga on 20th and 21th March 2025.
28. Presented a Paper in *International Seminar on Intellectual Property and Advances in Chemical Sciences* held at Department of Chemistry C. M. Science College Darbhanga on 25th and 26th July 2025.
29. Delivered Invited Lecture in *International Conference on Innovative Practices for Accelerated Growth in Commerce, Management, Humanities, Science and Technology* held at Model Institute of Technology, Kathmandu, Nepal on 12th and 3th June 2025.

Orientation Course/Refresher Course/Faculty Development Programme

- 1) Received *Letter of Appreciation from Spoken Tutorials, Indian Institute of Technology Bombay* for holding *one week Faculty Development Programme* and *Two-week student Development Programme* organized by Maharani Kalyani College Laheriasarai on Python Course. in association with the Spoken Tutorial, IIT Bombay as part of the National Mission on Education through ICT, funded by MHRD, Govt. of India.
- 2) Successfully *organized an Online One Day Faculty Development Programme* on “*Tools to make effective Online Teaching in context of lockdown due to COVID-19*” on 21st of May 2020 organised by M. K. College Laheriasarai, Darbhanga.

- 3) Successfully *Completed Survey* on Topic “*Impact, Challenges and Probable Solution for Education System amid COVID-19 Pandemic*” on 8/24/2020.
- 4) *Orientation Programme-134 with “A” grade* at UGC-Human Resource Development Centre University of Lucknow August 08 – 31, 2019.
- 5) Successfully Completed ARPIT Course for Career Advancement Scheme (CAS) promotion *Online Refresher Course In Chemistry For Higher Education* with a "C" Grade in the proctored examination held on 16.02.2020 Sri Guru Tegh Bahadur Khalsa College, University of Delhi.
- 6) *Orientation Programme* on “*Understanding Self*” organized by the Directorate of Distance Education, Lalit Narayan Mithila University, Darbhanga in collaboration with UNICEF Bihar from 29th November to 3rd December 2018.
- 7) Actively Participated in *Resource Generation Camp (Chemistry)* organized on March 9 – 11, 2018 at *Homi Bhabha Centre for Science Education (TIFR) Mankhurd, Mumbai*.
- 8) Attended the *UGC Orientation Workshop on Awareness, Adoption & Promotion of MOOCs on SWAYAM platform organized by University Grants Commission*, Eastern Regional Office, Kolkata at Ranchi University on 03.09.2019
- 9) Received *Certificate of Appreciation on successfuly conduction of “ACT Concept Test In Chemistry (CONTECH) 2018* as College coordinator.
- 10) Received *Certificate of Appreciation on successfuly conduction of “ACT Concept Test In Chemistry (CONTECH) 2019* as College coordinator.
- 11) Participated in one day Workshop on *Intellectual Property Rights and Patent Designs Filing* held at University Department of Chemistry, LNMU Darbhanga on 20th October 2022.
- 12) Attended one week training program on *Advanced Instrumental Techniques in Chemistry and Material Sciences (AITCMS22)* from 9th to 15th Mat 2022 organized by Department of Chemistry, Birla Institute of Technology Mesra (BIT Mesra) Ranchi under the aegis of DST STUTI program of IIT Dhanbad.
- 13) Participated in *Workshop on Documentation Management for NAAC AQAR* held at LNMU Darbhanga on 2nd December 2021.
- 14) Participated and Successfully Completed the *one week online short term Faculty Development Program in Digital Learning – New Normal Mode* organized by Devaswom Board College, Thalayolaparambu in collaboration with UGC HRDC University of Kerela Thiruvananthapuram from 4th September to 10th September 2020.

- 15) Successfully completed the *training program on Online workshop on NAAC* held from 8th November to 13th November 2021 at Jharkhand Government Tool Room Ranchi.
- 16) Participated in *Refresher Course in Chemistry* held at University of Lucknow from 15th November 2021 to 27th Nov 2021 with grade A.
- 17) Participated in the *5th Online Refresher Course in Chemistry* from 16/06/2025 to 28/06/2025 of 12 working days organized by Malaviya Mission Teacher Training Centre, Gujarat University, Ahmedabad and obtained grade A.

Awards and Academic Achievements:

- **Best Presentation Award** by Mahatma Gandhi Central University Motihari Bihar 2020.
- **Award of Excellence Young Researcher Award**, During the *VOICE Virtual 3rd International Conference on Environmental, Agricultural, Chemical and Biological Sciences* **January 22, 23 and 26, 2022.**
- **Young Scientist Award** by Lucknow Christian College in year 2018.
- **CEFIPRA Postdoctoral Fellowship** by DST Gov. of India
- **CDRI incentive award (2011)** for the excellent research work in the form of publication in “Green Chemistry”.
- **2nd prize** poster presentation in 3rd NIPER-CDRI (RBL) symposium held at CDRI Lucknow.
- **Junior Research Fellowship** (CSIR) Jan 2009-Jan 2011
- **Senior Research Fellowship** (CSIR) Jan 2011-July 2012

Publications:

- 1) *β -Cyclodextrin Catalyzed Synthesis of Tryptanthrin in Water*. Atul Kumar, Vishwa Deepak Tripathi, Promod Kumar. *Green Chemistry*, 2011, 13, 51.
- 2) *A novel access to indole-3-substituted dihydrocoumarins in artificial sweetener saccharin based functional ionic liquids*. Atul Kumar, Promod Kumar, Vishwa Deepak Tripathi. *RSC Advances*, 2012, 2, 11641.

- 3) *Design and synthesis of 1,3-biarylsulfanyl derivatives as new anti-breast cancer agents.* Atul Kumar, Vishwa Deepak Tripathi, Promod Kumar, Lalit Prakash Gupta. **Bioorganic and Medicinal Chemistry**. 2011, 19, 5409.
- 4) *Design and synthesis of 2,4-disubstituted polyhydroquinolines as prospective antihyperglycemic and lipid modulating agents.* Atul Kumar, Siddharth Sharma, Vishwa Deepak Tripathi, Ram Awatar Maurya, Swayam Prakash Srivastava, **Bioorganic and Medicinal Chemistry**. 2010, 18, 4138.
- 5) *Synthesis of chalcones and flavanones using Julia-Kocienski olefination.* Atul Kumar, Siddharth Sharma, Vishwa Deepak Tripathi, Suman Srivastava. **Tetrahedron**, 2010, 66, 9445.
- 6) *Synthesis of glycosylated β -amino alcohols as promising antitubercular agents.* Vinod Kumar Tiwari, Vishwa Deepak Tripathi, **Trends in carbohydrate research**. 2017, 9, 28.
- 7) *Identification of N-Hydroxycinnamide analogues and their bio evaluation against breast cancer cell lines,* Vishwa Deepak Tripathi et. al. , **Biomedicine and Pharmacotherapy**, 2018, 107, 475-483.
- 8) *Vibrational spectroscopic study of cationic phosphorus dendrimers with aminoethylpiperidine terminal groups.* V.L. Furer, A.E. Vandyukov, V. Tripathi, J.P. Majoral , A.M. Caminade , V.I. Kovalenko **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**.. 2018, 194, 211.
- 9) *Vibrational spectroscopic study on polycationic phosphorus dendrimers.* V.L. Furer, A.E. Vandyukov, V. Tripathi, J.P. Majoral, A.M. Caminade, V.I. Kovalenko. **Vibrational Spectroscopy**. 2017, 93, 65.
- 10) *Synthesis and study of the vibrational spectra of a first generation phosphorus-containing dendrimer with pyridyl functional groups.* V.L. Furer, A.E. Vandyukov , V. Tripathi, J.P. Majoral, A.M. Caminade, V.I. Kovalenko, **Journal of Molecular Structure**, 2018, 1162, 1-9.
- 11) *DFT study of structure, IR and Raman spectra of the first generation dendrimer built from cyclotriphosphazene core with terminal pyrazine groups.* V. L. Furera, A. E. Vandyukov, V. Tripathi, J. P. Majoral, A. M. Caminade, V. I. Kovalenko. **Vibrational Spectroscopy**.
- 12) *Organocatalysed biomimetic selective reduction of C=C double bonds of chalcones.* Vishwa Deepak Tripathi, Anand Mohan Jha. **Asian Journal of Chemistry**. 2018, 30.
- 13) *Design and Synthesis of Novel Chalcones as Potential Anticancer Agents,* Vishwa Deepak Tripathi, **Medicinal Chemistry Research**, 2010, 19, 133.

- 14) *Synthesis of glycosylated β -amino alcohols as promising antitubercular agents*, Vinod Kumar, Tiwari, Vishwa Deepak Tripathi, *Trends in Carbohydrate research*, 2018, 9(4), 1-11.
- 15) *Design and Synthesis of Heterocyclic Curcumin Analogues as Filarial Topoisomerase II Inhibitors*, Vishwa Deepak Tripathi, *J. Biol. Chem. Chron.* 2018, 4(2), 59-64.
- 16) *Design and Synthesis of Novel Heterocyclic Curcumin Analogues as Anticancer Agents and Filarial Topoisomerase II Inhibitors*. Vishwa Deepak Tripathi, *Asian Journal of Organic and Medicinal Chemistry*, 2018, 3(4), 164-170.
- 17) *Synthesis, Characterization and Antifungal Activity of Metal Complexes having Hydrazinobenzimidazole Based Ligands*. Vishwa Deepak Tripathi, A. M. Jha, *Journal of Biological Chemistry Chronical*, 2019, 5(1), 108-113.
- 18) *Ultrasound Assisted Regioselective Synthesis of Polyhydrospiro [indo-line-3, 3'-pyrrolizine]-2-one Library via Multicomponent Cycloaddition Reaction*. Vishwa Deepak Tripathi, *Journal of Biological Chemistry Chronical*. 2019 31 (3), 613-616.
- 19) *An Overview on Aryl C-glycosides As SGLT2 Inhibitors with Antidiabetic Potential*, Govind Ramakrishna, Vishwa Deepak Tripathi, *Trends in Carbohydrate Research*. 2018, 10, 4.
- 20) *Synthesis and Antifungal Activity of New Dihydropyrazoles of Designed Curcumin Analogues*. Vishwa Deepak Tripathi *Asian Journal of Organic and Medicinal Chemistry*, 2019, 4 (2), 94-100.
- 21) *Synthesis, Characterization, DFT calculation and Antimicrobial Activity of Co (II) and Cu (II) complexes with azo dye*. Hassan Shamran Mohammad, Vishwa Deepak Tripathi, *Journal of Physics: Conference Series*, 2020, 1664, 012070.
- 22) *Medicinal Applications of Transition Metal Complexes*, *Journal of Physics: Conference Series*, 2019, 1294 (5), 052051.
- 23) *β -Cyclodextrin Mediated Multicomponent Synthesis of Spiroindole Derivatives in Aqueous Medium*. Vishwa Deepak Tripathi, *Asian Journal of Chemistry*, 2020, 32 (2), 293-296.
- 24) *Design and Synthesis of Heterocyclic Curcumin Analogues as Filarial Topoisomerase II Inhibitors*, Vishwa Deepak Tripathi, *Journal of Biological Chemistry Chronical*. 2018, 4, 59-64.
- 25) *Synthesis of glycosylated thiols as promising anti-tubercular agents*, Vishwa Deepak Tripathi, *Journal of Indian Chemical Society*, 98 (2), 213-225.
- 26) *Synthesis of New Dihydropyrazoles of Designed Curcumin Analogues*, Vishwa Deepak Tripathi, *Asian Journal of Chemistry*, 2019, 31, 1889-1894.

- 27) *Microwave Mediated Regioselective Synthesis of Spiro Indolinone Library via Multicomponent Reaction*, Vishwa Deepak Tripathi, *Heterocyclic Letters*, 2020, 10, 2, 267-279.
- 28) *Multicomponent Domino Synthesis of Spiroframework under Ultrasonic Irradiation*. Vishwa Deepak Tripathi, *Indian Journal of Heterocyclic Chemistry*, 2020, 30, 3, 411-419.
- 29) *Design and Synthesis of Novel Heterocyclic Curcumin Analogues as Anticancer Agents and Filarial Topoisomerase II Inhibitors*. *Asian Journal of Organic and Medicinal Chemistry*, 2018, 3, 4, 164-170.
- 30) *Synthesis and Antibacterial Evaluation of Hybrid Curcumin Based Pyrazole Derivatives*, *Asian Journal of Organic and Medicinal Chemistry*, Vishwa Deepak Tripathi, *Indian Journal of Heterocyclic Chemistry*.
- 31) *Safe Polycationic Dendrimers as Potent Oral In Vivo Inhibitors of Mycobacterium tuberculosis: A New Therapy to Take Down Tuberculosis*, *Biomacromolecules*, 2021, 22, 6, 26-59-2675.
- 32) *Advances in Chemical Synthesis of Quinazoline and Quinazolinones*, Vishwa Deepak Tripathi, *Heterocyclic Letters*, 2023, 13, 3, 603-626.
- 33) *Synthesis of Tryptanthrin Propargyl Analogues: An easy Access Over Clickable Tryptanthrin Derivatives*, Vishwa Deepak Tripathi, *Asian Journal of Chemistry*, 2021, 13, 4, 168-172.
- 34) *Natural Product Inspired Synthesis of Tryptanthrin Analogues as Potential Antimalarial Agents*. Vishwa Deepak Tripathi, *Asian Journal of Organic and Medicinal Chemistry* 2020, 5, 348-354.
- 35) *Synthesis and Antimalarial Activity of Safe Tryptanthrin Derivatives*, Vishwa Deepak Tripathi, *Asian Journal of Organic and Medicinal Chemistry*, 2021, 6, 356-359.
- 36) *Sustainable Synthesis of Quinazolinone Scaffolds in Aqueous Media: A Surfactant Promoted Approach*, Pratyosh Kumar, V. D. Tripathi, *Indian Journal of Advances in Chemical Sciences*, 2025, 13(2), 77-84.
- 37) *Synthesis and Biological Evaluation of Novel Chalcone Aminoalkyl Hybrids as Potential Antibacterial Agents*, Vishwa Deepak Tripathi, *Indian Journal of Advances in Chemical Sciences*, 2025, 13(2), 111-116.
- 38) *Regioselective Three Component Domino Synthesis of Polyhydrospiro[indoline-3,3'-pyrrolizine]-2-one via 3+2 cycloaddition reaction*, Vishwa Deepak Tripathi et. al. *Asian Journal of Chemistry*, 2019, 31, 3, 613-613.

- 39) *A Catalyst Free Surfactant Mediated Multicomponent Synthesis of Quinazolinone Derivatives in Aqueous Media*, V. D. Tripathi et. al. *European Journal of Advanced Chemistry Research*, 2023, 4, 3, 1-9.
- 40) *Significant Changes in MDA and Cat enzyme under treatment with azo coumarin ligand and its gold complex*, V. D. Tripathi, Hasan Shamran Mohammad, Manuscript communicated.
- 41) *The latent Fingerprint detection by new azochalconedye for 4-aminoacetophenone and its palladium nano complex*, V. D. Tripathi, Hasan Shamran Mohammad, Manuscript communicated.
- 42) *Rational Design of chalcone and pyrazole analogues inspired by curcumin: synthesis and biological activity*, Nausheen Amber, V. D. Tripathi, *International Journal of Advanced Chemical Research*, 2025, 7, 5, 57-64.
- 43) *Synthesis, Characterization, Antimicrobial and Antifungal Activities of Mn(II) and Zn(II) Complexes with Azo Dye of 2-aminobenzimidazole and Indole*, V. D. Tripathi, Hasan Shamran Mohammad, *International Journal of Drug Delivery Technology*, 12(04):1531-1536.
- 44) *Driving Growth Through Scientific Innovation, Multidisciplinary Approach and Application* Dr. Vishwa Deepak Tripathi, *Journal of Management and Health sciences*, 2025, Vol 3, No. 1, 33-41.

Patents

- *A process for Preparation of Pyrroles Having Hypolipidemic Hypocholesteric Activities. WO2014195967 A3*. 26 march 2015, **TRIPATHI, Vishwadeepak Rama Pati**, DWIVEDI, Shriprakash Dhar; SINGH, Ramesh Chandra; Rajendra Gokalbhai PATEL, Jagdish Maganlal; PAL, Daya Ram; RAVAL, Jigar Mukundhai; SHARMA, Mukul Hariprasad; GANGWAR, Pranav Jitendra; PATIL, Sachin Ashokrao; PATEL, Vikas.
- *An improved process for the preparation of pyrrole derivatives. WO2015033357 (A3)* May 7, 2015. **Tripathi, Vishwadeepak Rama Pati**; Patel, Vikas; Patel, Jagdish Maganlal; Singh, Ramesh Chandra; Dwivedi, Shri PrakashDhar; Gangwar PranavJitendra; Raval, JigarMukundhai.
- *An improved process for Asymmetric synthesis of sitagliptin. Indian Patent, Tripathi, Vishwa Deepak Rama Pati*; DWIVEDI, Shriprakash Dhar, Application No. **2049/MUM/2013**, filing date 18-Jul-2013.
- *An improved process for synthesis of Duloxetine. Indian Patent, Tripathi, Vishwadeepak Rama Pati*; DWIVEDI, ShriprakashDhar, Application No. 2410/MUM/2013, filing date 18-Jul-2013.
- *Functionalized Neutral Phosphorous Dendrimers and Polycationic Phosphorous Dendrimers for The Treatment of Mycobacterium Tuberculosis*, Vishwa Deepak Tripathi, Jean-Pirre Majoral, Annie-Marie caminade, Indian Patent Application No. **0144NF2019**.

- *Cyber Threat Detection Hub Device*, Ajay Kumar Thakur, Vishwa Deepak Tripathi, Indian Patent Application Number 477886-001.
- *Tissue Flootation and Preparation Device*, Vishwa Deepak Tripathi, Sanjeev Kumar Jha, Indian Patent Application Number, 476201-001.

Chapters in Edited Books

1. *Chemo selective reduction of C=C double bonds of chalcones*, Vishwa Deepak Tripathi, *Recent Advances in Chemical Sciences Vol. 4*, Book Publication International.
2. *Regioselective Synthesis of spiro nucleus via [3+2] Cycloaddition Reaction*, Vishwa Deepak Tripathi, *Recent Advances in Chemical Sciences Vol. 4*, Book Publication International.
3. *Approaches towards Regioselective Multicomponent Synthesis of Spiro Indoline Library*, Vishwa Deepak Tripathi and Gaurav Prakash, in Book *Future Science and Sustainable Development. ISBN 978-93830-0621-2*.
4. *Novel Synthesis of Tryptanthrin Analogues: A Potential Molecule Against Malarial Chemotherapy*, Vishwa Deepak Tripathi and Alok Kumar Singh, in Book *Future Science and Sustainable Development. ISBN 978-93830-0621-2*.
5. *An Overview of Available Chemotherapeutics against COVID-19 infection* Vishwa Deepak Tripathi and Tripti Tripathi, in Book *Future Science and Sustainable Development. ISBN 978-93830-0621-2*.
6. *2-Pyrrolidin-2yl-1H-benzimidazole (PBI): An efficient Organocatalyst for Friedal-Craft's reaction of Indoles in aqueous micelles* Vishwa Deepak Tripathi and Tripti Tripathi, in Book *Future Science and Sustainable Development. ISBN 978-93830-0621-2*.
7. *An Environmentally Benign Approach to Access the Quinazolinone Derivatives via Supramolecular Catalysis* Vishwa Deepak Tripathi in Book *Future Science and Sustainable Development. ISBN 978-93830-0621-2*.
8. *Ceric Ammonium Nitrate: An Alternative Over Metal Catalyst for Multicomponent Synthesis* Vishwa Deepak Tripathi and Sanjeev kumar Jha, in Book *Role of Chemistry for Sustainable Future. ISBN 978-81-19149-17-9*.
9. *A Summarized Study of recent Advances in Biologically Active Quinazolines*, Vishwa Deepak Tripathi in Book *Role of Chemistry for Sustainable Future. ISBN 978-81-19149-17-9*.

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- Dendrimer chemistry
- Process chemistry
- Catalysis
- Heterocyclic Synthesis

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