CURRICULUM-VITAE

Dr. Neeraj Kumar Mishra (Associate Professor)
Department of Chemistry, Faculty of Science
University of Lucknow (NAAC A++ grade)
Babuganj, Hasanganj, Lucknow-226007, U.P., India
Date of Birth: 01-07-1981
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CAREER OBJECTIVE

I would like to work in a challenging environment, which enhances creative thinking, promotes decision-making and provides satisfaction. I am currently involved in various aspects of drug discovery such as Anticancer, Antidiabetic and Anti-inflammatory agents through transition-metal catalyzed reactions in organic Synthesis. My research area is related to Synthetic Organic Chemistry including C−H activation, Metal Catalyzed Synthesis, Organic Transformations, and Transition-metal free Reactions for the development of late-stage drug candidates.

ACADEMIC CREDENTIALS

- **29th June 2022 to till date:** Working as as Associate Professor, Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow, U.P., India.

- **1st January 2017 to 28th June 2022:** Worked as Research Professor in the area of Organic Chemistry based on Pharmaceutical Synthetic Chemistry for the "Development of Catalytic Carbon-Carbon and C−H Bond Formation Reactions" School of Pharmacy, Sungkyunkwan University, Suwon-16419, **Republic of Korea**.

- **16th September 2013–31st December 2016:** Worked as **NRF-Post-Doctoral Fellow** awarded by **NRF (National Research Foundation), Ministry of Education, Science and Technology, Korea,** under the supervision of **Professor In Su Kim** in *Pharmaceutical Synthetic Chemistry Lab*, School of Pharmacy, Sungkyunkwan University, Suwon-16419, **Republic of Korea**.

- **1st April 2011–15th September 2013**: Worked as **Research Associate (CSIR-RA)** in the area of Synthetic Organic Chemistry based on Synthesis of Bioactive molecules via Multicomponent Reactions using Greener Techniques under the supervision of Professor M. Kidwai in *Green Chemistry Research Laboratory*, Department of Chemistry, University of Delhi, Delhi-110007, India.

- **2010**: Ph.D. degree awarded on thesis entitled **"Green Methodologies for Organic Synthesis using various Catalysts''** under the supervision of **Professor M. Kidwai** in *Green Chemistry Research Laboratory*, Department of Chemistry, University of Delhi, Delhi-110007, India.

- **2002–2004**: M. Sc. **(Organic Chemistry)**, Kamla Nehru Institute of Physical and Social Science, Sultanpur, (Dr. Ram Manohar Lohia Avadh University, Faizabad, U.P.), India.

- **1999–2002**: B. Sc. **(Chemistry, Industrial Chemistry, Botany)**, Kamla Nehru Institute of Physical and Social Science, Sultanpur, (Dr. Ram Manohar Lohia Avadh University, Faizabad, U.P.), India.

TEACHING/RESEARCH EXPERIENCE

- **10 Years of teaching experiences** at the University level (i.e. working as an **Associate Professor**, Lucknow University, Lucknow from from June 2022 to till date *to teach the B.Sc., M.Sc. and Ph.D. students*; ***Research Professor*** at School of Pharmacy, SKKU, Korea from January 2017 to June 2022 *to teach the M.Sc. and Ph.D. students*; taught at the **M. Tech., CSPT, Department of Chemistry, University of Delhi**, from 2010-2013).

- **12.0 Years (16th September 2013 to till date)**, **research experience** as **Associate Professor (29th June 2022 to till date)**, Department of Chemistry, Lucknow University; **Research Professor** [Research Professor for **Research and Teaching** (master and Ph.D. students from 1st January 2017 to 28th June 2022) and **Post-doctoral Fellow (16th September 2013 to December 2016), School of Pharmacy, Sungkyunkwan University, Suwon-16419, Republic of Korea**.

- **2.5 Years** (1st April 2011 to 15th September 2013), **research experience** as Research Associate (CSIR-RA) in Green Chemistry Research Laboratory, **Department of Chemistry, University of Delhi, Delhi-110007**.

- **4 Months of teaching experience** at the college level to the B.Sc. IIIrd Year, Department of Chemistry, Bhagini Nivedita College, University of Delhi, from January 2012 to April 2012.

AWARDS/HONOURS and FELLOWSHIPS

- ***Innovator of the Year*** in **4th International Conference on Recent Advances in Science (ICRAS-2020),** organized by/held at Invertis University, Bareilly, U.P., India on 28-29 Feb., **2020**.

- ***Excellent Young Scientist Oral Presentation Award*** on entitled **"Synthesis and Cytotoxic Evaluation of *N*-Aroylureas Under Rh(III)-Catalyzed C-H Functionalization"** in 2017 Fall International Convention of The Pharmaceutical Society of Korea, **Republic of Korea**, 19-20th October, 2017.

- ***Session Chairman*** for Session IV, i**n ICC 2016: 18th International Conference on Chemistry,** organized by "World Academy of Science Engineering and Technology (WASET), Turkey" at Crowne Plaza Hotel, Salahuddin Road, Deira, **Dubai, UAE**, 26-27th December, 2016.

- ***Best Oral Presentation award*** on entitled **"Synthesis of Biologically Active Heterocyclic Compounds via C−H Bond Activation"** in ICC 2016: 18th International Conference on Chemistry, **Dubai, UAE**, 26-27th December, 2016.

- ***Excellent Young Scientist Oral Presentation Award*** on entitled **"Synthesis of Pharmaceutically Important Heterocycles via C−H Bond Activation"** in 12th Pharmaceutical Society of Korea Medicinal Chemistry Workshop, Republic of Korea, **23-24th** June, **2016.**

- ***NRF (National Research Foundation),*** Ministry of Education, Science and Technology, South Korea, awarded **NRF-Post-doctoral Fellowship,** since **16th September 2013 to 15th September 2014.**

- ***Council for scientific Industrial Research*** (CSIR), New Delhi, India, awarded **Research Associateship (RA),** since **1st April 2011 to 15th September 2013**.

- ***Council for scientific Industrial Research*** (CSIR), New Delhi, India, awarded **Senior Research Fellowship (SRF)**, since **1st April 2010** to **27th December 2010.**

- ***University Grants Commission*****,** New Delhi, India awarded **Junior Research Fellowship** (**JRF)** (*Meritorious*) since **17th March 2008** to **31st March 2010.**

- ***University Grants Commission*****,** New Delhi, India, awarded University Research Fellowship, **"*UGC Research Fellowship"*** since **17th March 2007** to **16th March 2008.**

RESEARCH PROJECT *RUNNING* (As a *Personal Investigator*/*PI*)

1. SERB-SURE, India (File Number: SUR/2022/004791-**30 Lakh**, award on 8th May 2023 for 3 years), entitled "Ligands or Directing Groups-Assisted Transition-metal Catalysed Synthesis of Late-Stage Drug Molecules via *meta*-Carbon-Hydrogen Bond Functionalizations".

RESEARCH PROJECT AWARDED (As a *Personal Investigator*/*PI*)

1. SERB-SRG, India (File Number: SRG/2023/001759-**30 Lakh**, award on 4th September 2023 for 2 years), entitled "Late-Stage Synthesis of Heterocyclic Drug Candidates via Allylation and Annulation using 4d-Transition Metals".

RESEARCH PROJECT *RUNNING* (As a CO-*Investigator*)

1. Council of Science & Technology, U.P. (UP-CST), Lucknow (Project ID-3813-**16.86 Lakh**, award on 1st August 2024 for 3 years), entitled "Late-Stage Modification and Construction of Organic Frameworks: Target to the Peripheral Benzodiazepine Receptors During Neuroinflammation".

2. Higher Education Department, R&D Scheme, U.P. Lucknow (Project ID: 39/2024/242/sattar-4-2024-001-4(33)/2023-**5.0 Lakh**, award on 15th March 2024 for 3 years), entitled "Specific Biomarker for Mapping of Peripheral Benzodiazepine Receptors (18kDaTSPO) during Neuroinflammation".

RESEARCH PROJECT *COMPLETED* (As a *Personal Investigator*/*PI*)

1. NRF (National Research Foundation)-Ministry of Education, Science and Technology, South Korea, awarded a research project as **personal investigator (PI)**, "*NRF-Basic Research Fund*" **(project no. 2020R1I1A1A01052800)** on entitled ***"Novel Chemical Library through Selective Structural Modification of Core Scaffold"*** (**from 01-06-2020 to 31-06-2022**) (The Total amount of project for two years is **100,000,000 KRW (65 lakhs, 75 thousand Indian rupees)** for two years.

2. 3NRF (National Research Foundation)-Ministry of Education, Science and Technology, South Korea, awarded a research project as **personal investigator (PI)**,"*NRF-Basic Research Fund*" **(project no. 2017R1D1A1A09000574)** on entitled ***"The development of selective functionalization of indole at C7 position for the synthesis bioactive indole compounds"*** (**from 01-06-2017 to 31-05-2020, 35 months**) (The Total amount of project for three years was **150,000,000 KRW (84 lakhs, 91 thousand Indian rupees)** for 3 years.

3. **NRF**-Korea-Ministry of Education, Science and Technology, South Korea, awarded a research project as **personal investigator (PI)**,"*NRF-Basic Research Fund***" (project no. 2014R1A1A2056809)** entitled "***Development of Site-selective C7-Functionalized Indolines and Total Synthesis of Biologically Active Indole Compounds***" (from **01-11-2014 to 30-04-2017, 28 months**) (The Total amount of project for three years was **128,700,000 KRW** [(first year-25,740,000 KRW or 14,57,427 lacks IRs); (second year-51,480,000 KRW or 29 lacks,14 thousand Indian rupees) and third year-51,480,000 KRW or 29 lacks,14 thousand Indian rupees)]; i.e. total **(72 lakhs, 86 thousand Indian rupees).**

TEACHING AREAS / SPECIALIZATION

Basic Organic Chemistry, Heterocyclic Chemistry, Oxidation and Reduction Reactions, Spectroscopy, Stereochemistry, Retrosynthesis, X-Ray Diffraction, and etc.

ACADEMIC/ADMINISTRATIVE SERVICES TO THE LUCKNOW UNIVERSITY

Working as Assistant Dean Student Welfare; Coordinator Rangers and Rovers; Member of LU Online Social Media Management; Coordinator of NEP 2020 Orientation & Sensitization held from 21st December to 31st December, 2024 organised by UGC- Malaviya Mission Teacher Training Centre (HRDC) and Department of Chemistry, LU; Coordinator for MOU between DMSRDE (DRDO) Kanpur and University of Lucknow; Committee member of NMR facility-Department of Chemistry; Coordinator Run for Unity-2023 (Organized by Lucknow University and Raj Bhawan, U.P.); Coordinator for various lectures organized in the Department of Chemistry, University of Lucknow; Member in various internal Committees of DSW, Lucknow University, Subject Expert: Selection of Assistant Professor (Adhoc) at Lucknow University Colleges; Subject Expert: Selection of Assistant Professor at DDU, Gorakhpur, 2023; Member in various internal Committees of Department of Chemistry, LU and etc.

RESEARCH EXPERIENCES

- Doing the research in the area of transition-metal free/transition metal catalyzed C−H activation reactions and cross dehydrogenative coupling reactions (CDC) for the synthesis of heterocyclic late-stage drug candidates and bioactive molecules such as *anticancer, antidiabetic, and anti-inflammatory agents*.
- Worked on different alternative catalyst/ reagent and reaction media such as Rhodium, Cobalt, Iridium, Ruthenium and Palladium complex catalysts for the syntheses of various bioactive compounds.
- Preparation and characterization of Rhodium, Cobalt, Iridium, Ruthenium and Palladium metal complex to utilized in the C−H activation.
- Designing of new synthetic green methodology for the synthesis pharmacological active heterocyclic compounds containing nitrogen and oxygen heterocyclic molecules.
- Actively involved in developing a protocol for various organic transformations using metal

nanoparticles. It involved activation of N−H bond resulting in the formation of propargylamines, substituted amines, and activation of O−H bond to form aromatic and aliphatic ether, reduction of carbonyl system, Markovnikov Addition and synthesis of Mannich Products.

- ❖ Knowledge of various green catalysts/ reagents and solvents for organic synthesis.
- ❖ Used various nanoparticles as a catalyst (such as Nickel, Copper, Silver and Gold nanoparticles) for various organic transformations.
- ❖ Explored extensively the use of microwave irradiation to organic synthesis.
- ❖ Preparation and characterization of metal nanoparticles.
- ❖ Identification and Characterisation of organic compounds by various spectroscopic techniques.
- ❖ Isolation and purification techniques of Organic and organometallic compounds.
- ❖ Selective protection and deprotection of various functional groups.
- ❖ ***Published 108 research papers*** *in the high impact Journal of National and International repute such as* ***Angewandte Chemie, ACS Catalysis, Organic Letters, Chemical Communications (yellow means IF 2024 added), The Journal of Organic Chemistry (JOC), Advanced Synthesis & Catalysis, Cell Reports Physical Science, Archives of Pharmacal Research, RSC Advances, Organic Chemistry Frontiers, European Journal of Organic Chemistry, Chinese Chemical Letters, ChemCatChem, Catalysis Science & Technology, Organic & Biomolecular Chemistry, Catalysis Communications, European Journal of Organic Chemistry, Chemico-Biological Interactions, ACS Omega, Applied catalysis A: General, Asian Journal of Organic Chemistry, Green Chemistry Letters and Reviews, Synlett, Synthesis, Comptes Rendus Chimie, Tetrahedron, Tetrahedron Letters***, ***ChemistrySelect, Journal of Iranian Chemical Society, Indian Journal of Chemistry-Section B, Bulletin of the Korean Chemical Society, and etc***. ***02 research papers submitted*** *and others under preparation.*

INSTRUMENTATION KNOWLEDGE

- ❖ Well verse with many instrumental techniques that include NMR, IR, UV-VIS Spectroscopy, FT-IR Handled: Perkin Elmer FT-IR spectrometer spectrum.
- ❖ ESI-MS Mass Spectrometer: Waters LCT Micromass.
- ❖ Hydrogenation apparatus (Paar Catalytic Hydrogenation Apparatus), MPLC, and Microwave reactor to perform the reactions.

BOOKS

- ❖ Author of book chapter in volume 1, "**Transition-Metal-Catalyzed C-H Functionalization of Heterocycles**" chapter no. 6, "**C(sp^2)–H Functionalization of Indolines at C7-Position**" Wiley-VCH, 25 March **2023**, Print ISBN: 9781119774136; Online ISBN: 9781119774167; DOI: 10.1002/9781119774167, page no. 251-318.
- ❖ Editor of book "**Catalytic Application of Nano-Gold Catalysts**", Intech Publication, Janeza Trdine 9, 51000 Rijeka, Croatia, (On Line Published, **31st August 2016**) (ISBN 978-953-51-2641-6, Print ISBN 978-953-51-2640-9), Pages-168 (No. of Authors 13), Citation: **68**, download: **57,204** times.
- ❖ Editor of book "**Green Chemistry-Environmentally Benign Approaches**", Intech Publication, Janeza Trdine 9, 51000 Rijeka, Croatia, (On Line Published, **23rd March 2012**) (ISBN 978-953-51-0334-9). Pages 140 (No. of authors 28), Citation: **24**, download: **12,734**.

REVIEWER AND EDITORS OF THE MANUSCRIPT

Angewandte Chemie, Advanced Synthesis & Catalysis, ACS Omega, Organic Letters, Organic Chemistry Frontiers, The Journal of Organic Chemistry, Journal of Organometallic Chemistry, Sustainable Chemistry and Pharmacy, Archives of Pharmacal Research, Tetrahedron, Tetrahedron Letters, Tetrahedron, Environmental Pollution, Synlett, Synthesis, European Journal of Pharmacology, Polyhedron, Current Organic Chemistry, Green Chemistry Letters and Reviews, Indian Journal of Chemical Technology, Chemistry International, Phytochemistry Letters, Saudi Journal of Biological Sciences, Letters in Organic Chemistry, and etc.

- ❖ Editor of International Journal **"International Journal of Chemistry and Chemical Engineering (IJCCE)**", Research India Publications, B-2/84, Ground Floor, Rohini Sec-16, Delhi-110089, India.

RESEARCH PUBLICATIONS (Total Number of Published Papers = 108; Total Impact Factor = 461.926; Total Citation = 4522; h-index = 39; i10-index = 90).

(ORCiD: 0000-0001-9955-7535, Scopus Author ID: 7103288509, Researcher ID: S-1598-2016)

1. Rhodium(III)-Catalyzed Conjugate Addition of β-CF_3-Enones with Quinoline *N*-Oxides
***The Journal of Organic Chemistry,* 2023, 88, 1, 602–612**
(Impact Factor = **3.3**)**,** (ISSN: 0022-3263)
Nayoung Ko, Jeonghyun Min, Junghyea Moon, Nuraimi Farwizah Ismail, Kyeongwon Moon, Pargat Singh, **Neeraj Kumar Mishra**, Wonsik Lee, and In Su Kim*

2. Tandem Annulation and Dipolar Cycloaddition of Azomethine Imines in Catalytic C(sp^2)–H Functionalization
***Bulletin of the Korean Chemical Society,* 2023, 44,** (DOI: 10.1002/bkcs.12809).
(Impact Factor = **2.3**), (ISSN: 1229-5949)
Neeraj Kumar Mishra, Amitava Rakshit, Kyeongwon Moon, Pargat Singh, and In Su Kim*

3. Cobalt(II)-Catalyzed C−H Alkylation of N-Heterocycles with 1,4-Dihydropyridines
***ACS Catalysis*, 2022, 24, 15707–15714**
(Impact Factor = **11.3**), (ISSN: 2155-5435)
Prithwish Ghosh, Na Yeon Kwon, Youjung Byun, **Neeraj Kumar Mishra**, Jung Su Park, and In Su Kim*

4. C–H amidation of 2-aryl azlactones under iridium(III) catalysis: access to chiral amino acids
***Chemical Communications*, 2022, 58, 13365–13368**
(Impact Factor = **4.3**), (ISSN: 1364-548X)
Min Seo Park, Eunjae Chung, **Neeraj Kumar Mishra,** Sang Hoon Han, Sangil Han, Saegun Kim and In Su Kim*

5. Methylene Thiazolidinediones as Alkylation Reagents in Catalytic C–H Functionalization: Rapid Access to Glitazones (**Published as Cover Page)**
***Organic Letters*, 2022, 24, 8578–8583**
(Impact Factor = **4.9**), (ISSN: 1523-7052)
Youjung Byun, Kyeongwon Moon, Jihye park, Prithwish Ghosh, **Neeraj Kumar Mishra,*** and In Su Kim*

6. Ruthenium(II)-Catalyzed Tandem C–H Allylation and [3 + 2] Dipolar Cycloaddition to Construct Bridged Tetracycles
***Organic Letters*, 2022, 24, 8115–8119**
(Impact Factor = **4.9**), (ISSN: 1523-7052)
Junghyea Moon, Nayoung Ko, Seoeun Jang, Prithwish Ghosh, Hyung Sik Kim, **Neeraj Kumar Mishra,*** and In Su Kim*

7. KO^{t}Bu-promoted C3-homocoupling of quinoxalinones through single electron transfer from an sp^2 carbanion intermediate
***Chemical Communications*, 2022, 58, 7078−7081**
(Impact Factor = **4.3**), (ISSN: 1364-548X)
Na Yeon Kwon, **Neeraj Kumar Mishra**, Jung Su Park, Prithwish Ghosh, and In Su Kim

8. Synthesis of Succinimide-Linked Indazol-3-ols Derived from Maleimides Under Rh(III) Catalysis **(Published as Supplementary Cover Page)**
***ACS Omega*, 2022, 7, 14712−14722**
(Impact Factor = **3.7**), (ISSN: 2470-1343)
Ju Young Kang, Suho Kim, Junghyea Moon, Eunjae Chung, Jaeyoung Kim, So Young Kyung, Hyung Sik Kim, **Neeraj Kumar Mishra,*** and In Su Kim*

9. Assembly of Hydroxycinnoline Core via Hydrazide-Assisted Rh (III)-Catalyzed C–H Functionalization and Annulation
***Synthesis*, 2022, 54, 4461-4471**
(Impact Factor = **2.2**), (ISSN: 0039-7881)
Suho Kim, Heon Kyu Park, Ju Young Kang, **Neeraj Kumar Mishra,*** and In Su Kim*

10. Novel anti-adipogenic effect of CF_3-allylated indole in 3T3-L1 cells
***Chemico-Biological Interactions*, (2022, 352, 109782)**
(Impact Factor = **4.7**), (ISSN: 0009-2797)
Hee Jung Kim, Dong Uk Im, Gia Cac Chau, **Neeraj Kumar Mishra,** In Su Kim*, Sung Hee Um*

11. Reactivity of triplet diradical intermediates in aqueous media for transition-metal-free Csp^2–H alkylation
***Cell Reports Physical Science*, 2022, 4, 100819**
(Impact Factor = 7.9), (ISSN: 2666-3864)
Prithwish Ghosh, Youjung Byun, Na Yeon Kwon, Ju Young Kang, **Neeraj Kumar Mishra**, Yongseok Kwon, Jung Su Park,* and In Su Kim*

12. Synthesis of (2*H*)-Indazoles and Dihydrocinnolinones through Annulation of Azobenzenes with Vinylene Carbonate under Rh(III) Catalysis
***Organic Letters*, 2021, 23, 5518–5522**
(Impact Factor = **4.9**), (ISSN: 1523-7052)
Min Seo Park,‡ Kyeongwon Moon,‡ Harin Oh, Ji Yoon Lee, Prithwish Ghosh, Ju Young Kang, Jung Su Park,* **Neeraj Kumar Mishra,*** and In Su Kim*

13. Synthesis of Spirosuccinimides via Annulative cyclization Between *N*-Aryl Indazolols and Maleimides Under Rhodium(III) Catalysis
***Chemical Communications*, (2021, 57, 10947–10950)**
(Impact Factor = **4.3**), (ISSN: 1364-548X)
Ju Young Kang,‡ Won An,‡ Suho Kim, Na Yeon Kwon, Taejoo Jeong, Prithwish Ghosh, Hyung Sik Kim, **Neeraj Kumar Mishra,*** and In Su Kim*

14. Site-selective and metal-free C–H nitration of biologically relevant *N*-heterocycles
***Archives of Pharmacal Research*, (2021, 44, 1012–1023)**
(Impact Factor = 6.9), (ISSN: 0253-6269)
Junghyea Moon,† Hyun Ku Ji,† Nayoung Ko, Harin Oh, Min Seo Park, Suho Kim, Prithwish Ghosh, **Neeraj Kumar Mishra**,* and In Su Kim*

15. Synthesis of Cinnolines via Rh(III)-Catalyzed Annulation of *N*-Aryl Heterocycles with Vinylene Carbonate
***Asian Journal of Organic Chemistry*, (2021, 11, 3005-3014)**
(Impact Factor = **2.8**), (ISSN: 2193-5815)
Suho Kim,‡ Su Bin Choi,‡ Ju Young Kang, Won An, Suk Hun Lee, Harin Oh, Prithwish Ghosh, **Neeraj Kumar Mishra,*** and In Su Kim*

16. Synthesis of π-Extended Heterocycles via Rh(III)-Catalyzed Oxidative Annulation of 5-Aryl Pyrazinones with Alkynes ***(Published as Cover Page)***
***The Journal of Organic Chemistry*, (2021, 86, 16349–16360)**
(Impact Factor = **3.3**)**,** (ISSN: 0022-3263)
Harin Oh, Hee Won Byun, Kyeongwon Moon, Saegun Kim, Prithwish Ghosh, Won An, Jong Hwan Kwak, Jung Su Park, **Neeraj Kumar Mishra**, and In Su Kim*

17. Transition-Metal-Free Alkylation and Acylation of Benzoxazinones with 1,4 Dihydropyridines
***The Journal of Organic Chemistry*, 2021, 86, 12247–12256**
(Impact Factor = **3.3**)**,** (ISSN: 0022-3263)
Youjung Byun,‡ Junghyea Moon,‡ Won An, **Neeraj Kumar Mishra**, Hyung Sik Kim, Prithwish Ghosh, and In Su Kim*

18. Catalyst-Free One-Pot Multi-Component Synthesis of 2-Substituted Quinazolin-4- carboxamides from 2-Aminophenyl-2-oxoacetamides, Aldehydes, and Ammonium Acetate
***ChemistrySelect*, 2021, 6, 5446–5450**
(Impact Factor = **1.9**), (ISSN: 2365-6549)
Seung-Hwan Shim, Hyejun Park, **Neeraj Kumar Mishra**, In Su Kim, Jae Kyun Lee, Kiho Lee, Hitesh B. Jalani,* and Yongseok Choi*

19. Site-Selective C8-Alkylation of Quinoline *N*-Oxides with Maleimides under Rh(III) Catalysis **(*Published as Cover Page*)**
***The Journal of Organic Chemistry,* 2021, 86, 7579–7587**.
(Impact Factor = **3.3**)**,** (ISSN: 0022-3263)
Won An,‡ Suk Hun Lee,‡ Dayoung Kim,‡ Harin Oh, Suho Kim, Youjung Byun, Hyun Jin Kim, **Neeraj Kumar Mishra,*** and In Su Kim* († = Equally contributed).

20. C–H Methylation of Iminoamido Heterocycles with Sulfur Ylide
***Angewandte Chemie International Edition,* 2021, 60, 191–196**
(Impact Factor = **16.1**), **(ISSN: 1521-3773) († = *Equally contributed*)**
Prithwish Ghosh,† Na Yeon Kwon,† Saegun Kim, Sangil Han, Suk Hun Lee, Won An, **Neeraj Kumar Mishra,** Soo Bong Han, and In Su Kim*

21. Direct Integration of Phthalazinone and Succinimide Scaffolds via Rh(III)-Catalyzed C–H Functionalization
***Asian Journal of Organic Chemistry*, 2021, 10, 202-209**
(Impact Factor = **2.8**), (ISSN: 2193-5815)
Yong Sun Cho, Hak Do Kim, Euntaek Kim, Sang Hoon Han, Soo Bong Han, **Neeraj Kumar Mishra**, Young Hoon Jung, Taejoo Jeong, and In Su Kim*

22. Ru(II)-Catalyzed C–H Addition and Oxidative Cyclization of 2-Aryl Quinazolinones with Activated Aldehydes **(*Published as Cover Page*)**
***Organic & Biomolecular Chemistry*, 2020, 18, 9611-9622**
(Impact Factor = 2.9), (ISSN: 1477-0539)
Jin Ho Choi,† Kunyoung Kim,† Harin Oh, Sangil Han, **Neeraj Kumar Mishra,*** and In Su Kim*

23. **C2-Selective C−H Methylation of Heterocyclic *N*-Oxides with Sulfonium Ylides**
***Organic Letters,* 2020, 22, 9004–9009**
(Impact Factor = **4.9**), (ISSN: 1523-7052)
Won An, Su Bin Choi, Namhoon Kim, Na Yeon Kwon, Prithwish Ghosh, Sang Hoon Han, **Neeraj Kumar Mishra**, Sangil Han, Sungwoo Hong, and In Su Kim*

24. Site-Selective C–H Amidation of 2-Aryl Quinazolinones Using Nitrene Surrogates
***European Journal of Organic Chemistry*, 2020, 2020, 7134-7143**
(Impact Factor = 2.5), (ISSN: 1099-0690**) (*Published as Cover Page*)**
Saegun Kim, Daeun Jeoung, Kunyoung Kim, Seok Beom Lee, Suk Hun Lee, Min Seo Park, Prithwish Ghosh, **Neeraj Kumar Mishra,** Suckchang Hong,* and In Su Kim*

25. Transition-Metal-Free and Site-Selective Selenylation of Heterocyclic *N*-Oxides in Anisole as a Green Solvent **(*Published as Cover Page*)**
***European Journal of Organic Chemistry*, 2020, 2020, 31, 4886-4892**
(Impact Factor = **2.5**), (ISSN: 1099-0690)
Suk Hun Lee, Na Yeon Kwon, Ji Yoon Lee, Won An, Young Hoon Jung, **Neeraj Kumar Mishra,** Prithwish Ghosh, Jung Su Park, and In Su Kim*

26. Phthalazinone-Assisted C–H Amidation Using Dioxazolones Under Rh(III) Catalysis
***The Journal of Organic Chemistry,* 2020, 85, 7014-7023**
(Impact Factor = **3.3**)**,** (ISSN: 0022-3263)
Daeun Jeoung, Kunyoung Kim, Sang Hoon Han, Prithwish Ghosh, Suk Hun Lee, Saegun Kim, Won An, Hyung Sik Kim, **Neeraj Kumar Mishra,*** and In Su Kim*

27. Ru(II)-Catalyzed C–H Hydroxyalkylation and Mitsunobu Cyclization of *N*-Aryl Phthalazinones
***The Journal of Organic Chemistry,* 2020, 85, 2520-2531**
(Impact Factor = **3.3**)**,** (ISSN: 0022-3263)
Kunyoung Kim, Sang Hoon Han, Daeun Jeoung, Prithwish Ghosh, Saegun Kim, Seung Jun Kim, Jin-Mo Ku, **Neeraj Kumar Mishra,*** and In Su Kim*

28. Deoxygenative Amination of Azine-*N*-oxides with Acyl Azides via [3+2] Cycloaddition
***The Journal of Organic Chemistry,* 2020, 85, 2476-2485**
(Impact Factor = **3.3**)**,** (ISSN: 0022-3263)
Dongeun Kim, Prithwish Ghosh, Na Yeon Kwon, Sang Hoon Han, Sangil Han, **Neeraj Kumar Mishra**, Saegun Kim, and In Su Kim*

29. Site-Selective C−H Alkylation of Diazine-*N*-Oxides Enabled by Phosphonium Ylides
***Organic Letters,* 2019, 21, 6488−6493**
(Impact Factor = **4.9**), (ISSN: 1523-7052)
Prithwish Ghosh, Na Yeon Kwon, Sangil Han, Saegun Kim, Sang Hoon Han, **Neeraj Kumar Mishra**, Young Hoon Jung, Sang J. Chung, and In Su Kim*

30. Lewis Acid-Mediated Cross-Coupling Reaction of 7-Azaindoles and Aldehydes: Cytotoxic Evaluation of C3-Linked Bis-7-azaindoles
***Tetrahedron Letters*, 2019, 60, 150974**
(Impact Factor = **1.5**), (ISSN: 0040-4039)
Suk Hun Lee, Kunyoung Kim, Yeong Uk Jeon, Amit Kundu, Prasanta Dey, Jong Yeon Hwang, **Neeraj Kumar Mishra,*** Hyung Sik Kim,* and In Su Kim*

31. Allylic Acetals as Acrolein Oxonium Precursors in Tandem C−H Allylation and [3+2] Dipolar Cycloaddition
***Angewandte Chemie International Edition,* 2019, 58, 9470–9474**
(Impact Factor = **16.1**), (ISSN: 1521-3773)
Heeyoung Lee, Dahye Kang, Sang Hoon Han, Rina Chun, Ashok Kumar Pandey, **Neeraj Kumar Mishra**, Sungwoo Hong, and In Su Kim*

32. Synthesis of (2*H*)-Indazoles from Azobenzenes Using Paraformaldehyde as One Carbon Synthon
***Advanced Synthesis & Catalysis,* 2019, 361, 1617–1626)**
(Impact Factor = **4.4**), (ISSN: 1615-4169)
Rina Chun, Saegun Kim, Sang Hoon Han, Sangil Han, Suk Hun Lee, **Neeraj Kumar Mishra**, Young Hoon Jung, Hyung Sik Kim, and In Su Kim*

33. Ruthenium(II)-Catalyzed Site-Selective Hydroxymethylation of Indolines with Paraformaldehyde ***(Published as Cover Page)***
***The Journal of Organic Chemistry,* 2019, 84, 2307−2315**
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Mazaahir Kidwai,* Saurav Bhardwaj, **Neeraj Kumar Mishra**, Arti Jain, Ajeet Kumar, Subho Mozumdar

98. Markovnikov addition of vinyl acetate with azoles catalyzed by potassium *tert*-butoxide
***Chinese Chemical Letters*, 2011, 22, 417–420**
(Impact Factor = **9.4**), (ISSN: 1001-8417)
Mazaahir Kidwai,* **Neeraj Kumar Mishra**, Anwar Jahan

99. A green methodology for one-pot Synthesis of polysubstituted-tetrahydropyrimidines using PEG
***Green Chemistry Letters and Reviews*, 2011, 4, 109–115**
(Impact Factor = **5.8**) (ISSN: 1751-7192)
Mazaahir Kidwai,* **Neeraj Kumar Mishra**, Divya Bhatnagar, Anwar Jahan

100. Cu-nanoparticles in PEG: A New Recyclable catalytic system for *N*-Arylation of Amines with Aryl Halides
***ChemCatChem*, 2010, 2, 1312–1317**
(Impact Factor = **3.8**), (ISSN: 1867-3899)
Mazaahir Kidwai,* **Neeraj Kumar Mishra**, Saurav Bhardwaj, Anwar Jahan, Ajeet Kumar, Subho Mozumdar

101. Polyethylene glycol (PEG) mediated green synthesis of 2,5-disubstituted-1,3,4-oxadiazoles catalyzed by ceric ammonium nitrate (CAN)
***Green Chemistry Letters and Reviews*, 2010, 3, 55–59**
(Impact Factor = **5.8**) (ISSN: 1751-7192)
Mazaahir Kidwai,* Divya Bhatanagar, **Neeraj Kumar Mishra**

102. An environmentally benign indium (III) chloride catalysed one-pot synthesis of quinolines
***Indian Journal of Chemistry-Section B*, 2009, 48B, 746–748**
(Impact Factor = **0.40**), (ISSN: 0376-4699)
Mazaahir Kidwai,* Vikas Bansal, **Neeraj Kumar Mishra**, Divya Bhatanagar

103. A novel method for the synthesis of β-enaminones using Cu-nanoparticles as catalyst
***Catalysis Communications*, 2009, 10, 1514–1517**
(Impact Factor = **3.4**), (ISSN: 1566-7367)
Mazaahir Kidwai,* Saurav Bhardwaj, **Neeraj Kumar Mishra**, *Vikas Bansal*, Ajeet Kumar, Subho Mozumdar

104. Novel one-pot Cu-nanoparticles catalyzed Mannich reaction
***Tetrahedron Letters*, 2009, 50, 1355–1358**
(Impact Factor = **1.5**), (ISSN: 0040-4039)
Mazaahir Kidwai,* **Neeraj Kumar Mishra**, Vikas Bansal, Ajeet Kumar, S. Mozumdar

105. CAN catalyzed synthesis of β-amino carbonyl compounds *via* Mannich Reaction in PEG
***Catalysis Communications*, 2008, 9, 2547–2549**
(Impact Factor = **3.4**), (ISSN: 1566-7367)
Mazaahir Kidwai,* Divya Bhatanagar, **Neeraj Kumar Mishra**, Vikas Bansal

106. Ni-nanoparticles usage for the reduction of ketones
***Catalysis Communications*, 2008, 9, 612–617**
(Impact Factor = **3.4**), (ISSN: 1566-7367)
Mazaahir Kidwai,* **Neeraj Kumar Mishra**, Vikas Bansal, Ajeet Kumar, S. Mozumdar

107. Cu-nanoparticles catalyzed A^3-coupling *via* C-H activation
***Synlett,* 2007, 10, 1581–1584**
(Impact Factor = **1.7**), (ISSN: 0936-5214)
Mazaahir Kidwai,* Vikas Bansal, **Neeraj Kumar Mishra,** Ajeet Kumar, Subho Mozumdar

108. Cu-nanoparticles catalyzed O-Arylation of phenols with aryl halides *via* Ullmann Coupling
***Tetrahedron Letters,* 2007, 48, 8883–8887**
(Impact Factor = **1.5**), (ISSN: 0040-4039)
Mazaahir Kidwai,* **Neeraj Kumar Mishra,** Vikas Bansal, Ajeet Kumar, Subho Mozumdar

ORAL PRESENTATIONS IN CONFERENCES AND SYMPOSIA

1. **Invited Lecture** on entitled **"Construction and Late-Stage C−H Functionalization of *N*-Heterocycles"** in **International Conference on Crossroads of Chemistry and Biology (ICCCB): A Modern Prospective,** organized by/held at Department of Chemistry, **Delhi University, Delhi-110007, India** on 28-29 Feb., **2024**.

2. **Invited Lecture** on entitled **"Catalyst-Controlled C−H Allylation and Annulation of (Hetero)arenes Using Cyclic Carbonates"** in **3rd International Conference on Integrative Chemistry, Biology & Translational Medicine (ICBTM),** organized by/held at Hansraj College, Dept. of Chem., and Pacific University, **Udaipur, Rajasthan, India** on 8-10 March, **2024**.

3. **Invited Lecture** on entitled **"C-H functionalization in the late-stage drug discovery"** in **4th International Conference on Recent Advances in Science (ICRAS-2020),** organized by/held at Invertis University, **Bareilly, U.P., India** on 28-29 Feb., **2020**.

4. Oral Presentation on entitled **"Discovery of novel anticancer agents through C7-functionalization of indolic scaffolds"** in **4th European Organic Chemistry Congress,** organized by OMICS International, Conference Series (Euro Organic Chemistry), UK, at Crowne Plaza London–Heathrow Stockley Rd, West Drayton, **London, UK**, **01-03rd** March, **2018**.

5. Young Scientist Oral Presentation on entitled **"Synthesis and Cytotoxic Evaluation of *N*-Aroylureas Under Rh(III)-Catalyzed C-H Functionalization"** in **2017 Fall International Convention of The Pharmaceutical Society of Korea,** Drug Development, Healthcare & the 4th Industrial Revolution organized by The Pharmaceutical Society of Korea" at The-K hotel, 70, Baumoe-ro 12-gil, Seocho-gu, Seoul, **Republic of Korea**, **19-20th** October, **2017**.

6. Oral Presentation on entitled **"Synthesis of Biologically Active Heterocyclic Compounds via C−H Bond Activation"** in **12th ICC 2016: 18th International Conference on Chemistry,** organized by "World Academy of Science Engineering and Technology (WASET), Turkey" at Crowne Plaza Hotel, Salahuddin Road, Deira, **Dubai, UAE**, **26-27th** December, **2016**.

7. Young Scientist Oral Presentation on entitled **"Synthesis of Pharmaceutically Important Heterocycles via C−H Bond Activation"** in **12th Pharmaceutical Society of Korea Medicinal Chemistry Workshop,** organized by "The Pharmaceutical Society of Korea" at Beache Palace, Ungcheon-eup, Boryeong-si, Chungcheongnam-do, **Republic of Korea**, **23-24th** June, **2016**.

CONFERENCES AND SYMPOSIA ATTENDED/POSTERS (INTERNATIONAL)

1. Presented a poster entitled "**Tandem C−H Allylation and [3+2] Dipolar Cycloaddition of (Hetero)aryl Azomethine Imines with Allylic Acetals using Ru(II)-catalyst**" in **12th AIMECS 2019 International Symposium** on Medicinal Chemistry, organized by "*Asian Federation for Medicinal Chemistry (AFMC)*" at Elite World Europe Hotel, **Istanbul, Turkey,** 8th-11th September, **2019**.

2. Presented a poster entitled "**The magic of C-H activation in the construction of pharmaceutically important heterocyclic molecules**" in **2019 Gordon Research Conference on Heterocyclic Compounds**, organized by "*Gordon Research Conferences*" at Salve Regina University in **Newport, RI, United States of America**, 16th-21st June, **2019**.

3. Presented a poster entitled "**The step-and atom-economical synthesis including anticancer evaluation of spiroisoindolinones via C–H activation**" in **2019 Spring International Convention of The Pharmaceutical Society of Korea**, organized by **"The Pharmaceutical Society of Korea, Republic of Korea"** at Millennium Seoul Hilton, Seoul, **Republic of Korea**, 25th-26th April, **2019**.

4. Presented a poster entitled "**Synthesis and Anticancer Evaluation of Spiroisoindolinones via Rhodium(III)-Catalyzed [3+2] Annulations Reaction of *N*-Acyl Ketimines**" in **ACS Publications Symposium: Innovation in Molecular Synthesis**, in partnership with Shanghai Institute of Organic Chemistry (SIOC), Chinese Academy of Sciences organized by iGroup (Asia Pacific) Ltd at Shanghai Institute of Organic Chemistry, **Shanghai, China**, 22nd - 24th October, **2017**.

5. Presented **two posters** entitled "**Cp*Rh(III)-C(sp3)–H alkylation of 8-methylquinolines in water as a green solvent**" and "**Rhodium(III)-Catalyzed C–H bond activation for the construction of Pharmaceutically Important Heterocyclic molecules**" in **EuCheMS International Organometallic Conference XXII, 2017 (EuCOMC-XXII)**, organized by "Van 't Hoff Institute for Molecular Sciences (HIMS) & EuCheMS OMC XXII Secretariat, University of Amsterdam" at Beurs van Berlage, Amsterdam, **Netherlands**, 9th - 13th July, **2017**.

6. Presented a poster entitled **"Rh(III)-Catalyzed C−H Amination of Indolines with Anthranils"** in **OMCOS 19**, **The 19th IUPAC International Symposium** on Organometallic Chemistry Directed Towards Organic Synthesis, organized by OMCOS-19 Organizing Committee, Institute of Basic Science (IBS)-Center for Catalytic Hydrocarbon Functionalization (CCHF) and Seoul National University (SNU), Seoul, South Korea at **International Convention Center (ICC)** Jeju, **Republic of Korea**, 25th - 29th June, **2017**.

7. Presented a poster entitled **"Rh(III)-Catalyzed Alkylation and Indole Formation of Anilines with Diazo Compounds via C−H Bond Activation"** in **Third International Symposium on C–H Activation**, organized by "Faculty of Arts and Sciences**,** Department of Chemistry, **Université de Montréal, Montréal, Canada"** at Jean Brillant Building, Universit**é** de Montr**é**al, Montr**é**al, **Canada**, 30th May - 2nd June, **2016**.

8. Attended **"Proceedings of the Spring International Convention of The Pharmaceutical Society of Korea"** (Pharmacy, The Light of Convergence Science) organized by **"The Pharmaceutical Society of Korea, Republic of Korea"** at Kim Dae Jung Convention Center, Gwangju, **Republic of Korea**, 18th-19th April, **2016**.

9. Presented a poster entitled **"Rh(III)-catalyzed C-H amidation with isocyanates"** in **The 13th International Kyoto Conference on New Aspects of Organic Chemistry (IKCOC-13)**, organized by "Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, **Kyoto University, Kyoto, Japan"** at Rihga Royal Hotel, **Kyoto, Japan**, **9-13th** November, **2015**.

10. Presented **two posters** entitled **"Oxidative alkenylation and cyclization of *N*-benzyltriflamides under Rhodium Catalysis"** and **"Synthesis of *N*-sulfonylamidated and amidated azobenzenes under Rhodium catalysis"** in **AIMECS-2015 (10th AFMC International Medicinal Chemistry Symposium)**, (Innovative Approaches for Drug Discovery and Development), organized by **"Asian Federation for Medicinal Chemistry (AFMC) Korea"** at ICC-JEJU, **Republic of Korea**, **18-21st** October, **2015**.

11. Presented a poster entitled **"Rh(III)-catalyzed selective C-H cyanation of indolines and indoles with easily accessible cyano source"** in **16th Tetrahedron Symposium,** Challenges in Bioorganic and Organic Chemistry**,** organized by **"Elsevier"** at Grand Hyatt Berlin, Marlene-Dietrich-Platz 2 Berlin-10785, **Germany**, **16-19th** June, **2015**.

12. Presented a poster entitled **"Synthesis of Isoindolines via Tandem Rh(III)-catalyzed Alkenylation and Cyclization of N-benzyltriflamides"** in **8th Singapore International Chemistry Conference (SICC-8),** organized by **"The Department of Chemistry at the National University of Singapore (NUS)"** at Stephen Riady Centre, U-Town, National University of Singapore, **Singapore**, **14-17th** Dec., **2014**.

13. Attended **"2nd International Symposium on C-H Activation"** organized by **"University of Rennes 1, France"** at "Faculty of Science, **University of Rennes 1, France**", 30th June - 3rd July, **2014**.

14. Attended **"The 113th General Meeting of the Korean Chemical Society"** organized by **"Korean Chemical Society"** at KINTEX, Goyang, **Republic of Korea**, 16th-18th April, **2014**.

15. Attended **"Proceeding of the Fall International Convention of The Pharmaceutical Society of Korea"** (Creative Integration of Pharmaceutical Sciences for Drug Development) organized by **"The Pharmaceutical Society of Korea, Republic of Korea"** at OSONG Medical Innovation Foundation C & V Center, Chungcheongbuk-do, **Republic of Korea**, 17th-18th October, **2013**.

16. Attended **"International Conference on Interface between Chemistry and Environment (ICICE)"** Department of Chemistry, Ramjas College, University of Delhi, **Delhi, India**, 13-14th December, **2012**.

17. Attended **T3D-2010 International Symposium on Trends in Drug Discovery and Development,** Department of Chemistry, University of Delhi, **Delhi, India**, 5-8th January, **2010**.

18. Presented a poster entitled **"A Novel Method for the Synthesis of β-enaminones using Cu-Nanoparticles as Catalyst"** in **13th ISCBC International Conference on Interplay of Chemical and Biological Sciences: Impact on Health and Environment Symposium in Chemistry,** Department of Chemistry, University of Delhi, **Delhi, India**, 26th February-1st March, **2009**.

CONFERENCES AND SYMPOSIA ATTENDED/ POSTERS (NATIONAL)

19. Presented a poster entitled "**The reactivity of MBH adducts with benzylamines to access the 2-benzazepines under Rh(III) catalysis**" in **123rd General Meeting of the Korean Chemical Society,** organized by Korean Chemical Society, at Suwon Convention Center, Suwon, **Republic of Korea**, 17th - 19th April, **2019**.

20. Presented a poster entitled "**Diastereoselective Synthesis of 1-Aminoindanes via C-H Activation under Rh(III) Catalysis**" in **121st General Meeting of the Korean Chemical Society,** organized by Korean Chemical Society, at International Convention Center (ICC) **Jeju**, **Republic of Korea**, 18th - 20th April, **2018**.

21. Presented a poster entitled **"Rhodium-Catalyzed Oxidative Alkenylation and Cyclization of N-benzyltriflamides with Olefins via C-H Bond Activation"** in **"10th Medicinal Chemistry Workshop"** organized by **"The Pharmaceutical Society of Korea, Republic of Korea"** at "STX Resort, 257-1, Naeseo-ri, Nongam-myeon, Mungyeong-si, Gyeongsangbuk-do, **Republic of Korea**", 18th-19th June, **2014**.

22. Attended **"National workshop on Scientific/Research Paper Writing"** organized by **"The National Academy of Sciences, India, Allahabad"** at Mohanlal Sukhadia University, **Udaipur, Rajasthan**, 05-07th April, **2013**.

23. Presented a poster entitled **"Green Chemistry-Environmentally Benign Approaches for Organic Synthesis"** in **15th CRSI National Symposium in Chemistry (NSC-15)**, Department of Chemistry, Banaras Hindu University, **Varanasi, U.P., India**, 1-3rd February, **2013**.

24. Attended **"Author workshop IOCL"** Department of Chemistry, Kirorimal College, University of Delhi, **Delhi, India**, 23rd October, **2012**.

25. Attended **"Author workshop"** conducted by Springer in collaboration with the Delhi University Library System, University of Delhi, **Delhi, India**, 23rd August, **2012**.

26. Attended **workshop on Information Literacy and Competency,** Delhi University Library System, University of Delhi, **Delhi, India**, 14th March, **2011**.

27. Presented a poster entitled **"Green Synthesis for Organic Compounds"** in **National workshop on Renewable Energy and Environment,** Department of Chemistry, Ramjas College, University of Delhi, **Delhi, India**, 28-29th January, **2011**.

28. Attended National seminar on **"Role of Analytical Techniques in Biological and Environmental Sciences"** sponsored by **Indian Society of Analytical Scientists (ISAS-DC) Petrotech Society of India,** Department of Chemistry, Kirori Mal College, University of Delhi, **Delhi, India**, 27-29th January, **2011**.

29. Attended **4th Indo-Italian Seminar on Green Chemistry and Natural Products"**, Department of Chemistry, University of Delhi and Embassy of Italy, **Delhi, India**, 17th November, **2010**.

30. Attended **workshop on Information Literacy and Competency,** Delhi University Library System, University of Delhi, **Delhi, India**, 23rd February, **2010**.

31. Attended **3rd Indo-Italian Seminar on Green Chemistry**, Department of Chemistry, University of Delhi and Embassy of Italy, **Delhi, India**, 9th December, **2009**.

32. Attended **Indo-German Symposium on Supramolecular Chemistry**, organised by Department of Chemistry, University of Delhi, **Delhi, India**, 3rd March **(2009)**.

33. Attended **Indo-US Symposium on Trends in Chemical Biology**, Department of Chemistry, University of Delhi, **Delhi, India**, 25th February **(2009)**.

34. Presented a poster entitled **"Metal nanoparticles as Efficient Catalyst for Organic synthesis"** in **11th CRSI National Symposium in Chemistry**, Department of Chemistry, National Chemical Laboratory, **Pune, India**, 6-8th February, **2009.**

35. Attended **4th Indo-Italian Workshop on Chemistry and Biology of Antioxidants**, Department of Chemistry, University of Delhi, **Delhi, India**, 7th December, **2008**.

36. Presented a poster entitled "**Metal Nanoparticles Catalyzed Organic Transformations"** in **Indo-Italian Seminar on Chemistry and Natural Products,** Department of Chemistry, University of Delhi, **Delhi, India**, 5-6th December, **2008**.

37. Attended **National Conf. on Chem.-Structure, Reaction Dynamics and Spectroscopy,** Dept. of Chem. St. Stephen's College, Delhi, Univ. **Delhi, India**, 21st-23rd August, **2008**.

38. Presented a poster entitled "**Metal Nanoparticles: A New Generation Catalyst for Organic Synthesis**" in **10th National Symposium in Chemistry** sponsored by **Chemical Research Society of India,** Indian Institute of Science, **Bangalore, India**, 1st-3rd Fbruary, **2008**.

39. Attended **3rd Indo-Italian Workshop on Chemistry and Biology of Antioxidants**, Department of Chemistry, University of Delhi, **Delhi, India**, 28-30th November, **2007**.

40. Attended **National Seminar on Green Chemistry and Natural Products,** Department of Chemistry, University of Delhi, **Delhi, India**, 26-27th November, **2007**.

41. Attended **9th National Symposium in Chemistry** sponsored by **Chemical Research Society of India,** Department of Chemistry, University of Delhi, **Delhi, India**, 1st-4th February, **2007**.

42. Attended **CARBO-XXI on Recent Developments in Carbohydrate Chemistry** sponsored by **Association of Carbohydrate Chemists and Technologists of India**, Department of Chemistry, University of Delhi, **Delhi, India**, 26-29th November, **2006**.

MEMBERSHIP

Lifetime member of *Chemical Research Society of India* (Membership No. LM 1022).
Member of *American Chemical Society* (Membership No. 31451105).
Member of *The Pharmaceutical Society of Korea* (South Korea).
Member of *The Korean Chemical Society* (South Korea).
Lifetime member of *Vijnana Bharati (VIBHA), India.*

COUNTRIES VISITED

America (New York, Washington-DC, New Jersey, Newport), Belgium, Canada (Hamilton, Toronto, Kingston, Montreal, Muskoka, Regina), China, England-UK (Bristol, Birmingham, Cambridge, London, Liverpool, Manchester, Oxford), France (Paris, Rennes, Saint-Ouen), Germany, Japan (Tokyo, Kyoto, Osaka), Netherland, Nepal, South Korea, Singapore, Switzerland, Turkey, and ***United Arab Emirates (Dubai).***