Rajesh Sonti

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Address: Lab51, NIPER Hyderabad, Telangana, 500037.
Nationality: Indian
DOB: 27 July 1986
Languages fluent: English, Hindi and Telugu

KEY COMPETENCIES

- **PhD in chemical biology**, **DAS ECPM in pharmaceutical medicine, Project management**
- Worked with **multidisciplinary teams** from **cross-functional** and **cross-cultural backgrounds**
- **15 years of experience** in using **NMR** techniques for peptide and protein conformations

WORK EXPERIENCE

02/2020- Present **Assistant Professor**
Pharmaceutical Analysis, NIPER-Hyderabad, Telangana, 500037

11/2018 – 02/2020 **Scientist**
Prof. R. Gruetter, CIBM – EPFL, Lausanne, Switzerland

- *In vivo* studies in mice brain for understanding biochemical pathways using magnetic resonance spectroscopy

11/2013 – 10/2018 **Postdoctoral fellow**
Prof. S. Grzesiek, Biozentrum – Basel, Switzerland

- Wrote proposals for grants and published in **JACS**, a high-profile journal
- Presented, communicated, taught students, lectured in seminars, workshops and conferences
- Worked with the protein involved in **Chronic Myeloid Leukemia** and tested the interaction of **FDA** approved drugs e.g., **Gleevec** (Novartis), **Tasigna** (Novartis), **Sprycel** (Bristol-Myers Squibb), **Iclusig** (ARIAD Pharmaceuticals) and **Inlyta** (Pfizer)
- Managed my own research in nuclear magnetic resonance, biophysics, biochemistry and successful lead technicians in various projects to completion

04/2008 – 06/2008 **Research internship in analytical division**
GE (currently SABIC Innovative Plastics) – Bangalore, India

- Generated meaningful data using HPLC and NMR techniques for several lead compounds
- Documented and reported results in a timely manner to the senior scientists

PROFESSIONAL DEVELOPMENT COURSES

03/2018 Two days **Project management training based on IPMA standards**
SPOL AG training center, Steinhausen, Switzerland

- Learnt about project canvas, project charter, project planning (initialization, conceptualization, realization, implementation), procedural plan, documentation, risk and change management

06/2015 – 06/2017 **DAS in European Centre of Pharmaceutical Medicine**
University of Basel, Switzerland

- Learnt about global drug development, pharmacokinetics, pharmacodynamics, first in human studies, therapeutic index, patenting and portfolio management
- Understood planning, conducting of clinical trials in phase I, II, III and post marketing studies
- Perceived global registration: IND/CTA, NDA/MAA/BLA, Regulatory strategies and guidelines, MRF, decentralized/centralized procedures, lifecycle management with FDA, EMEA and PMDA

- Participated and solved case studies with medical doctors, statisticians and regulatory personnel with expert guidance about designing clinical trials, decision making in first in human studies, conflict management, key aspects of merging and adaption to the new changes in the company.
- Basic understanding of statistics, project management, pharmacoeconomics and market access

06/2017 Two days **GCP Training for Investigators and Study Teams**

University of Basel, Switzerland

- Thoroughly learnt the ICH E6 and Helsinki guidelines, clinical study reports, informed consent, study protocols, SOPs, the roles of different personnel involved in clinical trials

04/2017 – 06/2017 Design and Interpretation of Clinical Trials on Coursera

John Hopkins University, USA (https://www.coursera.org/account/accomplishments/verify/LMBCGYT52GQF)

- Provided me with solid background on various keys aspects in clinical trials

EDUCATION

08/2008 – 10/2013 PhD Chemical Biology

Prof. P. Balaram, Indian Institute of Science – Bangalore, India

- Solved 23 structures of novel synthetic/natural designed and cyclic peptides by solution NMR.
- Wrote and published **five first author papers** out of nine publications in good profile journals
- Recipient of ICMRBS, CSIR, and INSA student travel grants for XXVth ICMRBS 2012, Lyon
- Recipient of ENC, DST, and NMRS student travel grants for ENC2011 held at Asilomar, CA, USA

06/2006 – 05/2008 Masters in Chemistry – CGPA 4.7/5.0

Sri Sathya Sai University – A.P, India

06/2003 – 05/2006 B.Sc (Hons.) in Chemistry – CGPA 4.5/5.0

Sri Sathya Sai University – A.P, India

AREAS OF EXPERTISE

- Strong background in general chemistry, protein chemistry, peptide design, protein expression using fermenter, protein modifications and purification by chromatographic techniques
- Expertise in characterization of peptides, proteins and small molecules by multidimensional NMR, HPLC, IC, UV, IR, Mass spectrometry, structural elucidation, ^{31}P, ^{19}F NMR, characterization and quantification of impurities and leachates, protein-peptide and protein-ligand interactions
- Thorough understanding of **pre-clinical, clinical, regulatory** and **post marketing studies** involved in the global drug development with **EMA, FDA and PMDA**

TECHNICAL SKILLS

- Unix, Windows, Mac – Microsoft office suite, Adobe suite, Prism, Origin, Endnote and Papers
- Basic working knowledge of writing scripts in Python and automating analysis of large data

PUBLICATIONS-52

https://scholar.google.ch/citations?hl=en&user=D-37DoIAAAAJ&view_op=list_works&sortby=pubdate

1) S Sen, B Ganta, VN Rachel, SK Gogikar, V Singh, R Sonti, AG Dikundwar. Mapping Advantages and Challenges in Analytical Development for Fixed Dose Combination Products, a Review. **Journal of Pharmaceutical Sciences, 2024, xxx, xxx.**
2) Rati Yadav, Rohit Bhawale, Vaibhavi Srivastava, Ekta Pardhi, Harshada Anil Bhalerao, Rajesh Sonti, Neelesh Kumar Mehra. Innovative Nanoparticulate Strategies in Colon Cancer Treatment: A Paradigm Shift. **AAPS PharmSciTech, 2024,** 25, 52.
3) Mani Surya Kumar Palepu, Siva Nageswara Rao Gajula, Malleshwari K, **Rajesh Sonti**, Manoj P. Dandekar. SCFAs Supplementation Rescues Anxiety- and Depression-like Phenotypes Generated by Fecal Engraftment of Treatment-Resistant Depression Rats. **ACS Chemical Neuroscience**, **2024,** 15, 1010.

4) Paladini, Johannes; Maier, Annalena; Habazettl, Judith Maria; Hertel, Ines; **Rajesh Sonti**; Grzesiek, Stephan. The molecular basis of Abelson kinase regulation by its αI-helix. **eLife, 2024.**
5) Dannarm, Srinivas Reddy; Harini, Dharipally; Reddy, Gangireddy Navitha; Ali, Nazish; **Rajesh Sonti***. Study on the hydrolytic degradation behaviour of bictegravir by LC-PDA-Q/TOF-MS/MS NMR and in silico toxicity assessment**. Journal of Pharmaceutical and Biomedical Analysis**, **2024,** 239, 115909.
6) Ommi, Ojaswitha; Chilvery, Shrilekha; Dhopat, Priyanka Sudhir; Sharma, Anamika; Bhalerao, Harshada Anil; Dannaram, Srinivas Reddy; Nanduri, Srinivas; **Rajesh Sonti**; Godugu, Chandraiah; Yaddanapudi, Venkata Madhavi. Exploration of quinoxaline-benzimidazole hybrids as apoptosis-inducing agents and tubulin polymerisation inhibitors**. Journal of Molecular Structure, 2023**, 1292, 136184.
7) Ojaswitha; Paoletti, Niccolò; Bonardi, Alessandro; Gratteri, Paola; Bhalerao, Harshada Anil; Sau, Shashikanta; Nanduri, Srinivas; Mohammed, Arifuddin; Kalia, Nitin Pal; **Rajesh Sonti**; Yaddanapudi, Venkata Madhavi; Exploration of 3‐aryl pyrazole‐tethered sulfamoyl carboxamides as carbonic anhydrase inhibitors. **Archiv der Pharmazie, 2023**, 356, 2300309.
8) Dhurjad, Pooja; Gupta, Kajal; Sakla, Akash P; Shankaraiah, Nagula; **Rajesh Sonti***. A validated high‐performance liquid chromatography method for the determination of brassinin, an indoleamine 2, 3‐dioxygenase inhibitor in rat plasma. **Separation Science Plus**, **2023,** 6, 2300073.
9) Shekh, Shamasoddin; Dhurjad, Pooja; Vijayasarathy, Marimuthu; Dolle, Ashwini; Dhannura, Shweta; Sahoo, Deepak Kumar; **Rajesh Sonti**; Gowd, Konkallu Hanumae. Oxidative Folding Catalysts of Conotoxins Derived from the Venom Duct Transcriptome of C. frigidus and C. amadis. **Biochemistry, 2023**, 62, 3061.
10) Navitha Reddy, Gangireddy; Jogvanshi, Akanksha; Naikwadi, Sana; **Rajesh Sonti***. Nirmatrelvir and ritonavir combination: an antiviral therapy for COVID-19. **Expert Review of Anti-infective Therapy, 2023,** 21, 943.
11) Yakkala, Prasanna Anjaneyulu; Khan, Imran A; Dannarm, Srinivas Reddy; Aboti, Jyoti; **Rajesh Sonti**; Shafi, Syed; Kamal, Ahmed. Multicomponent Domino Reaction for Concise Access to 2-Amino-Substituted 1, 3, 4 Oxadiazoles via Smiles Rearrangement. **The Journal of Organic Chemistry, 2023**, 88, 12216.
12) Rao Gajula, Siva Nageswara; Talari, Sasikala; Nathani, Tanaaz Navin; Munjal, Vijay; Rahman, Ziaur; Dandekar, Manoj P; **Rajesh Sonti***. Effect of chronopharmacology and food on in vivo pharmacokinetic profile of mavacamten**. Bioanalysis, 2023,** 15, 695.
13) Rao Gajula, Siva Nageswara; Godugu, Chandraiah; **Rajesh Sonti***. Chronopharmacokinetics: a critical missing step in drug discovery and development. **Bioanalysis, 2023.**
14) Rao Gajula, Siva Nageswara; Talari, Sasikala; Chilvery, Shrilekha; Godugu, Chandraiah; **Rajesh Sonti***. A unique in vivo pharmacokinetic profile, in vitro metabolic stability and hepatic first-pass metabolism of garcinol, a promising novel anticancer phytoconstituent, by liquid chromatography–mass spectrometry. **RPS Pharmacy and Pharmacology Reports, 2023**, 2, 2.
15) Siva Nageswara Rao Gajula, Ankita Sahebrao Khairnar, Pallavi Jock, Nikita Kumari, Kendre Pratima, Vijay Munjal, Pavan Kalan, **Rajesh Sonti***. LC-MS/MS: A sensitive and selective analytical technique to detect COVID-19 protein biomarkers in the early disease stage. **Expert Review of Proteomics, 2023,** 1.
16) Pooja Dhurjad, Pooja Jaiswal, Kajal Gupta, Parita Wanjari, **Rajesh Sonti***. Mass spectrometry: A key tool in anti-doping. **Separation Science Plus**, **2023,** 6.
17) Priyanka N Makhal, Srinivas Reddy Dannarm, Arbaz Sujat Shaikh, Rezwan Ahmed, Shrilekha Chilvery, Lahu N Dayare, **Rajesh Sonti,** Chandraiah Godugu, Venkata Rao Kaki. Exo-trig selenocyclization of secondary allylic carboxamides using Woollins' reagent: en route to 2, 5-disubstituted selenazolines. **Chemical Communications, 2023,** 59, 3767.
18) Srilakshmi Satti, Mani Surya Kumar Palepu, Aditya A Singh, Yash Jaiswal, Surya Prakash Dash, Siva Nageswara Rao Gajula, Sowmya Chaganti, Gananadhamu Samanthula, **Rajesh Sonti,** Manoj P Dandekar. Anxiolytic-and antidepressant-like effects of Bacillus coagulans Unique IS-2 mediate via reshaping of microbiome gut-brain axis in rats. **Neurochemistry International, 2023**.
19) Bhoopendra Singh Kushwah, Hara Prasad Padhy, Rahul Khemchandani, Vijaya Madhyanapu Golla, Vinay Kumar Kanchupalli, **Rajesh Sonti*,** Gananadhamu Samanthula. Structural characterization of novel hydrolytic and oxidative degradation products of acalabrutinib by LC-Q-TOF-MS, H/D exchange and NMR. **Journal of Pharmaceutical and Biomedical Analysis, 2022,** 221, 115077.
20) SNR Gajula, TN Nathani, RM Patil, S Talari, **R Sonti*.** Aldehyde oxidase mediated drug metabolism: an underpredicted obstacle in drug discovery and development. **Drug Metabolism Reviews, 2022,** 54, 427.
21) P Dhurjad, CS Dhalaram, N Ali, N Kumari, **R Sonti*.** Metal-organic frameworks in chiral separation of pharmaceuticals. **Chirality, 2022**, 34, 1419-1436.
22) Santosh K Sahoo, Siva NR Gajula, Mohammad N Ahmad, Grace Kaul, Srinivas Nanduri, **Rajesh Sonti,** Arunava Dasgupta, Sidharth Chopra, Venkata M Yaddanapudi. Bioevaluation of quinoline-4-carbonyl derivatives of piperazinyl-benzothiazinones as promising antimycobacterial agents. **Archiv der Pharmazie, 2022**, 11, 2200168.
23) SNR Gajula, SA Vora, AG Dikundwar, **R Sonti*.** *In Vitro* Drug Metabolism Studies Using Human Liver Microsomes. IntechOpen, 2022.

24) Pratibha Anchi, Shrilekha Chilvery, Sayali Tekalkar, Siva Nageswara Rao Gajula, **Rajesh Sonti*,** Chandraiah Godugu. Nimbolide loaded sustained release microparticles as single-dose formulations for effective management of arthritis. **Journal of Drug Delivery Science and Technology, 2022,** 75, 103638.
25) S Moi, S Shekh, KKA Reddy, P Dhurjad, R Sonti, KH Gowd. Peptide Cysteine Thiols Act as Photostabilizer of Avobenzone through Stabilizing the Transition State of Keto-Enol Tautomerization. **Photochemistry and Photobiology, 2022,**
26) SN Rao Gajula, NT Navin, S Talari, C Shende, **R Sonti***. Green bioanalysis: an innovative and eco-friendly approach for analyzing drugs in biological matrices. **Bioanalysis, 2022**, 12, 881.
27) Manoj P Dandekar, Mani Surya Kumar Palepu, Srilakshmi Satti, Yash Jaiswal, Aditya A Singh, Surya Prakash Dash, Siva Nageswara Rao Gajula, **Rajesh Sonti**. Multi-strain Probiotic Formulation Reverses Maternal Separation and Chronic Unpredictable Mild Stress-Generated Anxiety-and Depression-like Phenotypes by Modulating Gut Microbiome–Brain Activity in Rats. **ACS Chemical Neuroscience**, **2022,** 13, 1948.
28) Santosh K. S.; Sarvan, M..; Siva, N. R. G.; Mohammad. N. A.; Grace. K..; Srinivas, N.; Sonti. R; Arunava, D.; Sidharth, C.; Venkata M. Y., Identification of nitrofuranylchalcone tethered benzoxazole-2-amines as potent inhibitors of drug resistant *Mycobacterium tuberculosis* demonstrating bactericidal efficacy, ***Bioorganic & Medicinal Chemistry***, **2022**, *64*, 116777.
29) Grzesiek, S.; Paladini, J.; Habazettl, J.; Sonti. R, Imatinib disassembles the regulatory core of Abelson kinase by binding to its ATP site and not by binding to its myristoyl pocket, ***Magnetic Resonance***, **2022**, *3*, 1.
30) Gaurav. P.; Shaik, M. G.; Swayamsiddha, K.; Sai, M. C.; Dannarm, S. R.; Jitendra, G.; Sonti. R.; Srinivas. N, SmI_2-mediated C-alkylation of Ketones with Alcohols in Microwave conditions: A Novel Route to Alkylated Ketones ***Chemistry - An Asian Journal***, **2022**, *17*, 8.
31) Makhal, P. N..; Dannarm, S. R..; Shaikh, A. S.; Sonti. R.; Kaki, V. R. TBHP-Mediated Selenocyclization of N-Allylbenzamides/Benzthioamides via In-Situ Generation of "PhSeOH" Species; ***ChemistrySelect***, **2022**, *7*, 14.
32) Gaurav, P.; Shaik, M. G.; Swanand, V. J.; Preeti, R.; Swayamsiddha, K.; Mahesh, P. S.; Dannarm, S. R.; Sonti. R.; Srinivas. N, Cu(I)-Catalyzed Microwave-Assisted Multicomponent Reaction Towards Synthesis of Diverse Fluorescent Quinazolino[4,3-*b*]quinazolin-8-ones and Their Photophysical Study; ***ChemistrySelect***, **2022**, *7*, 14.
33) Dhurjad, P.; Dhavaliker, C.; Gupta, K.; R. Sonti, Exploring Drug Metabolism by the Gut Microbiota: Modes of Metabolism and Experimental Approaches. ***Drug Metab Dispos***. **2022**, *50*, 224.
34) Darshana, Bora.; Reddy, Srinivas.; Stephy Elsa, John.; Sravani, Sana.; R. Sonti; N. Shankaraiah, Regioselective *ortho*-sulphonamidation of β-carbolines: Exploration of Intrinsic directing property of β-carbolines and their photophysical studies. ***Asian J. Org. Chem. 2021***, *10*, 3384.
35) Gangireddy, Navitha Reddy.; Laltanpuii.; R. Sonti, Review on in vivo profiling of drug metabolites with LC-MS/MS in the past decade. ***Bioanalysis.*** **2021,** *22*, 1697.
36) Rao, G. S. N.; Megha, S. P.; Samanthula, G.; R. Sonti, Cytochrome P450 enzymes: a review on drug metabolizing enzyme inhibition studies in drug discovery and development**.** ***Bioanlaysis***. **2021**, *13*, 17.
37) Rao, G. S. N.; Nimisha, N.; R. Sonti, Drug Metabolic Stability in Early Drug Discovery to Develop Potential Lead Compounds**.** ***Drug Metab Rev***. **2021,** *53*, 49.
38) Cherix A, **Sonti R**, Lanz B, Lei H. *In vivo metabolism of [1,6- 13c2] glucose reveals distinct neuroenergetic functionality between mouse hippocampus and hypothalamus* ***Metabolites***. **2021**, 11, 50.
39) Rao Gajula SN, Reddy GN, Reddy DS, Sonti R. *Pharmacokinetic drug-drug interactions: an insight into recent US FDA-approved drugs for prostate cancer***. Bioanlaysis**. **2020**,12, 1647.
40) **Sonti R**, Ines HH, Lamontanara AJ, Hantschel O, and Grzesiek S. *ATP site ligands determine the assembly state of the Abelson kinase regulatory core via the activation loop conformation*. ***J. Am. Chem. Soc.*** **2018**, 140, 1863.
41) Yarava JR, **Sonti R**, Kantharaju K, Raghothama S and Ramanathan KV. *Solid-state NMR at natural isotopic abundance for the determination of conformational polymorphism - the case of designed β-turn peptides containing di-prolines Amino Acids.* ***Chem Commun.*** **2017**, 53, 1317.
42) Chandrappa S, Madhusudana Reddy MB, **Sonti R**, Basuroy K, Raghothama S, and Balaram P. *Directing peptide conformation with centrally positioned pre-organized dipeptide segments: studies of a 12-residue helix and β-hairpin.* ***Amino Acids.*** **2015,** 47, 291.
43) **Sonti R**, Rao KN, Chidanand S, Gowd KH, Raghothama S, and Balaram P. *Conformational analysis of a novel 20 membered cyclic peptide disulfide from Conus virgo with a WPW segment: Evidence for an aromatic-proline sandwich* ***Chem. Eur. J.*** **2014,** 20, 5075.
44) **Sonti R**, Dinesh B, Basuroy K, Ragothama S, Shamala N, and Balaram P. *C_{12} helices in long hybrid $(\alpha\gamma)_n$ peptides composed entirely of unconstrained residues with proteinogenic sidechains* ***Org. Lett.*** **2014**, 16, 1656.

45) **Sonti R**, Gowd KH, Rao KN, Raghothama S, Rodriguez A, Perez JJ, and Balaram P. *Conformational diversity in contryphans from conus venom. Cis/trans isomerisation and aromatic/proline interactions in the 23 membered ring of a 7-residue peptide disulfide loop.* ***Chem. Eur. J.*** **2013**, 45, 15175.

46) **Sonti R**, Gopi HN, Muddegowda U, Raghothama S, and Balaram P. *A designed three stranded β-sheet in a α/β hybrid peptide* ***Chem. Eur. J.*** **2013**, 19 5955.

47) **Sonti R**, Rai R, Raghothama S, and Balaram P. *NMR analysis of cross strand aromatic interactions in an 8 residue hairpin and a 14 residue three stranded β-sheet peptide* ***J Phys Chem B.*** **2012**, 116, 14207.

48) Chandrappa S, Aravinda S, Raghothama S, **Sonti R**, Rai R, Harini VV, Shamala N and Balaram P. *Helix and hairpin nucleation in short peptides using centrally positioned conformationally constrained dipeptide segments* ***Org. Biomol. Chem.*** **2012**, 10, 2815.

49) Ganesh NV, Ragothama S, **Sonti R,** and Jayaraman N. *Ring expansion of oxyglycals. Synthesis and conformational analysis of septanoside-containing trisaccharides* ***J. Org. Chem.*** **2010**, *75*, 215.

INVITED TALKS

- Gave a keynote lecture on “Importance of NMR for characterizing degradation impurities” for a special one-day symposium on the Current trends in NMR spectroscopy held at CSIR–IICTon 22 July 2024.
- Gave a talk on “peptides and impurity identification by NMR**”** at Revealing Molecular Mysteries through NMR Spectroscopy organized in partnership with CSIR-IICT Hyderabad and Bruker BioSpin on 20 June 2024.
- Gave a talk on “Importance of NMR for characterizing degradation impurities” for Mestrelab Research on 9 Feb 2024 in Hyderabad.
- Gave a talk on “Study on the hydrolytic degradation behavior of bictegravir by LC-PDA-Q/TOF-MS/MS, NMR and *in silico* toxicity assessment’ in CBMR Lucknow on 4 Feb 2024.
- Gave a talk on “Conformational analysis of novel conopeptides and recent insights of Abelson tyrosine kinase drug binding mechanism by NMR” in IISER Berhampur on 26 Feb 2023.
- Gave a webinar on Advanced tools to understand *in vitro* science and translate it close to *in vivo*
- NMR spectroscopy: An analytical technique for chemists and biologists, SRM University, Sikkim, 7 June 2021.
- Conformational analysis of cyclic peptides by NMR spectroscopy, Seethalakshmi Ramaswamy College, 27 February 2021.
- NMR spectroscopy for Genotoxic impurity profiling, JSS college of Pharmacy, Ooty, 10-12 November 2020.
- NMR spectroscopy, Bangalore University, 19-20 August 2020.
- Basics to Advanced Topics in One Dimensional NMR Spectroscopy, REVA university, Bangalore, 23 May 2020.

PROJECTS

- CCRUM project on “Structural characterization, pharmacokinetics, pharmacodynamic and herb-drug interactions of major constituents of compound Unani formulation for diabetes” awarded on 25 Apr 2024 - INR 28.17 Lakhs
- **DBT** project “Therapeutic leads for pain from Conus peptides of Indian marine coast” awarded on 09 Nov 2023 - INR 89.58 Lakhs
- DST SERB SRG awarded in December 2021 - INR 27 Lakhs
- Co-recipient of Swiss Cancer League grant of three years in 2014, Biozentrum, University of Basel, Switzerland

CONSULTANCY PROJECTS

- Structure elucidation of related 2- unknown impurities, Granules India Limited, Rs 3,87,248.
- Feasibility studies of peptide for Orbicular pharmaceuticals Ltd, Rs 1,51,984.
- QNMR for Orbicular pharmaceuticals Ltd, Rs 49,118.

CONFERENCES AND WORKSHOPS

- Organised a workshop “Adoption of digital technologies during COVID-19 pandemic” on 18 Jun 2021.
- Participated and presented a poster in **XXVIII ICMRBS 2018** in Aug at Dublin, Ireland.

- Presented a poster in HDDC 2018 in Mar 2018 at Helmholtz centrum, Munich
- Participated and presented a poster in **58th ENC** in May 2017 at Asilomar, CA, USA.
- Participated in **EMBO** practical course on "Structure, dynamics and function of biomacromolecules by solution NMR" in July 2017 and 2013 held at Basel, Switzerland.
- Presented a poster in "**International conference on Biomolecular forms and functions: A celebration of 50 years of the Ramachandran map"** in Jan 2013 organized by MBU, IISc, India.
- Attended "**Introduction to Gaussian: Theory and Practice**" organised by Gaussian Inc. in Dec 2012 in Delhi, India.
- Participated in **EMBO** lecture course on "Structural and Biophysical Methods on Biological Macromolecules" in Dec 2012 organised by CCMB, Hyderabad, India.
- Participated and presented a poster in **XXVth ICMRBS 2012** in Aug in Lyon, France.
- Selected for oral presentation in **NMRS 2012** in Feb organised by IISc, Bangalore, India.
- Participated and presented a poster in **52nd ENC** in April 2011at Asilomar, CA, USA.
- Attended **"Biophysics in Medicine (MRI)"** in Feb 2011 organised by AIIMS, Delhi, India.
- Attended **NMRS 2011** in Mar organised by GNDU, Amritsar, India.
- Attended **NMRS 2010** in Feb organised by CBMR, Lucknow, India.
- Selected for a workshop on **International School on Solid-State NMR** in Jan 2010 organized by TIFR, India.
- Attended **NMR and its applications in Biological Systems** organized in Nov 2009 by TIFR, India.
- Attended **Future Directions in NMR** in Nov 2008 organised by IISC, Bangalore, India.

ACHIEVEMENTS

- Recipient of partial travel grant from University of Basel in **2017** for **58th ENC** held at Asilomar, CA, USA
- Co-recipient of Swiss Cancer League grant of three years in **2014**, Biozentrum, University of Basel, Switzerland.
- Selected for the **EMBO 2013** travel grant of practical course on "Structure, dynamics and function of biomacromolecules"
- Recipient of **ICMRBS student travel Grant** for **XXVth ICMRBS 2012** held at Lyon, France.
- Selected for the **CSIR travel grant for** XXVth ICMRBS **2012** held at Lyon, France.
- Selected for the **CICS-INSA** travel grant for XXVth ICMRBS **2012** held at Lyon, France.
- Recipient of **ENC student travel award** for **ENC2011** held at Asilomar, CA, USA.
- Selected for the **DST travel grant** for **ENC2011** held at Asilomar, CA, USA.
- Recipient of **NMRS travel award** for **ENC2011** held at Asilomar, CA, USA.
- Awarded **CSIR Junior Research Fellowship** Dec 2007 and **Senior Research Fellowship** in Aug 2010.
- Qualified in the All India Gate 2007.
- Selected for **summer internship at GE** (SABIC –Plastics) analytical division in 2008.
- Stood **first in B.Sc. Hons** (chemistry) and **second in Masters in Chemistry**.

INTERESTS AND ACTIVITIES

Sport – Volleyball, basketball and shuttle badminton
Reading – Passionate about economy, science fiction, business and technology