

ISCB PROF. JYOTI CHATTERJI PRIZE FOR EXCELLENCE-2018

Dr. Janez Plavec

Born: in Novo mesto, Slovenia
Nationality: Slovenian
Job: National Institute of Chemistry, Hajdrihova 19, SI-1000
Ljubljana, Slovenia
Position: head of Slovenian NMR center
E-mail: janez.plavec@ki.si



Part time affiliations: UL Faculty of Chemistry and Chemical Technology, Večna pot 113, Ljubljana and EN-FIST Center of Excellence, Trg OF 13, Ljubljana

Janez Plavec (M) is the head of the Slovenian NMR Centre at the National Institute of Chemistry (NIC) and Professor of Structural Biology at the University of Ljubljana (UL). He obtained his diploma in 1987 at the UL Faculty of Chemistry and Chemical Technology and received his M. Sc. degree in 1990 at the same faculty. His Ph.D. degree was conferred by Uppsala University, Uppsala, Sweden in 1995 under the supervision of Professor Jyoti Chattopadhyaya. He has been Fulbright fellow at Georgia Institute of Technology, Atlanta, GA, USA in 2002. He has been employed at NIC since 1987. He has been head of the Slovenian NMR center since 1996.

Research interests of J. Plavec include studies of structure and dynamics of bio-macromolecular systems with NMR, structural studies of nucleotides and the building blocks of nucleic acids, protein structure, interactions of small molecules and metal ions with DNA and RNA, etc. His recent projects have been focused on NMR spectroscopic studies of small (organic) molecules and biomolecular systems, structural characterization of prion proteins in relation to prion disease, structure and dynamics of G-rich DNA segments, cation binding and interactions of small molecules with nucleic acids.

Janez Plavec has co-authored over 200 original scientific papers, over 100 invited lectures at international conferences, was a mentor of 14 graduate students who have successfully completed their education with the title of Doctor of Science. He is P.I. of research program P1-242 and infrastructure operations of NIC, IO-0003. He has coordinated and led several projects, including the projects within 7th Framework EU programme and national Centers of excellence in periods 2004-07 and 2010-13. He coordinated establishment of EN-FIST Centre of Excellence. He is a member of the Slovenian Chemical Society (treasurer till 2017), American Chemical Society, AAAS and IS3NA. He is member of Board of Directors of CERIC ERIC. A great deal of his efforts concern the modernization of research equipment within the Slovenian NMR center, which has become internationally recognized under his leadership. He has organized 13 international scientific events in Slovenia that received excellent reviews. For two terms he was a member of the Board of Governors and Scientific Council of NIC.

Paper Published : 200

Total Citation: 3222

Average Citation: 15.8

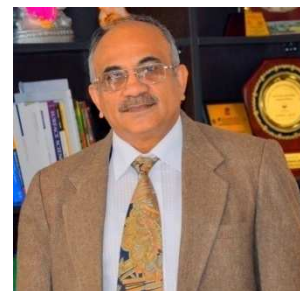
H index : 31

(full list available at http://www.slomnr.si/personnel/janez_plavec.php)

ISCB AWARD FOR EXCELLENCE-2018 IN CHEMICAL SCIENCES

Dr. A.K. Ganguly

Director
INST, Mohali



Dr. Ganguli, has contributed extensively in the design of diverse materials involving oxides, intermetallics and nano materials. He is a pioneer in microemulsion based synthesis of multicomponent nanostructures (alloys, chalcogenides, oxides, borides) Chem Soc. Rev (2010). Dr. Ganguli could unravel the mechanism of formation of nanostructures in constrained environment of reverse micelles by employing light scattering, microscopic and spectroscopic techniques through carefully designed experiments. Based on his expertise he could design a variety of nanostructured materials with appropriate band gap/band edge and extended life of the charge carriers for efficient light harvesting especially by tailoring the absorption in the visible region. In addition he has worked on several new families of superconductors from oxides to pnictides and is recognised internationally for his work spanning over three decades (1986-2017) in high temperature superconductor materials. He has designed several new oxypnictides with high critical field, Chem. Soc. Rev. (2013). Among them he has designed and synthesized the topological Cd_3As_2 and has collaborated with physicists to show superconductivity in mesoscopic regions of the Dirac Semi-metal Cd_3As_2 (Nature Materials 2016), and also the coexistence of ferromagnetism and superconductivity in $Ce_{0.5}Sr_{0.5}FBiS_2$ (Scientific Rep. 2016).

Apart from his academic accomplishments, Prof. Ganguli is the founding Director of INST, Mohali which is the youngest institution under Department of Science and Technology (DST), Government of India. During the past four plus years, INST has grown from an idea to an institution that is ready to take its place with leading science institutions in India, and aim to go beyond research to product and devices. The new faculty have published more than 130 papers in international journals and filed 8 patents.

Dr. Ganguli has initiated Collaboration /MoUs as follows:

Chandigarh Region Innovation and Knowledge Cluster (CRIKC), Association with IISER-Mohali, Defence Institute of High Altitude Research (DIHAR), Post Graduate Institute of

Medical Education and Research (PGIMER), IIT-Delhi, Panjab University, Punjab State Council for Science & Technology (PSCST), Dept. of Higher Education, Govt. of Punjab, MoU with National Agri-Food Biotechnology Institute (NABI), Mohali, MoU with Post Graduate Institute of Medical Education and Research (ICMR), Chandigarh, and MoU with Centre of Innovative and Applied Bioprocessing (CIAB), Mohali

He has been able to obtain sponsored-research projects amounting to INR ~20 crores and five industrial projects amounting to Rs. 1.8 crores.

He has been involved in developing technologies for recycling of industrial and domestic waste water, development of low cost biosensors for clinical and environmental application etc.

In addition to technology, Dr. Ganguli has contributed significantly in promoting science through an outreach program and has interacted with more than 18,000 students from over 300 schools in remote and under-served schools across the country (from Meghalaya to Rajasthan and from Jammu and Kashmir to Kerala).

ISCB YOUNG SCIENTIST AWARD-2018 IN CHEMICAL SCIENCES

Dr. RAJNEESH MISRA
Associate Professor



Place of Posting: Indore

Field of Research : Organic electronics/Organic Photonics/Organometallic Chemistry

No. of research paper published in last 5 years: 90

Total Citation: 1940

H index 24

Awards: JSPS fellowship 2008, INSA young Scientist Award 2014, NASI young Scientist Platinum Jubilee Award 2014

Publications:

1. Madhurima Poddar, **Rajneesh Misra***, NIR Absorbing Donor–Acceptor Based 1,1,4,4–Tetracyanobuta–1,3–Diene (TCBD) and Cyclohexa–2,5–Diene–1,4–Ylidene–Expanded TCBD Substituted FerrocenylPhenothiazines, **Chemistry-Asian**, 2017, 12, 2908-2915.
2. Yogajivan Rout, PrabhatGautam and **Rajneesh Misra***, Unsymmetrical and symmetrical push–pull phenothiazines, **J. Org. Chem.**, 2017, 82, 6840-6845.
3. ThaksenJadhav, BahusahebDhokale, YuvrajPatil, S. M. Mobin, **Rajneesh Misra***, Multi-Stimuli Responsive Donor–Acceptor Tetraphenylethylene Substituted Benzothiadiazoles, **J. Phys. Chem. C**, 2016, 120 (42), 24030–24040.
4. YuvrajPatil, ThaksenJadhav, BahusahebDhokale, **Rajneesh Misra***, Tuning of the HOMO–LUMO Gap of Symmetrical and Unsymmetrical Ferrocenyl-Substituted Diketopyrrolopyrroles, **Eur. J. Org. Chem.**, 2016, 2016, 733–738.

ISCB YOUNG SCIENTIST AWARD-2018 IN BIOLOGICAL SCIENCES

Dr. Vijay Kumar Prajapati

Assistant Professor
Department of Biochemistry
School of Life Sciences, Central University of Rajasthan



Dr. Vijay Kumar Prajapati completed M.Sc. in Biochemistry from Banaras Hindu University, Varanasi, India. He then received Ph.D. in Biochemistry from the Department of Medicine, Institute of Medical Sciences, Banaras Hindu University, India. His research work contributed to the therapeutic development of Visceral Leishmaniasis by involving *in silico*, *in vitro* and *in vivo* work. In 2012, he moved to University of South Alabama, United States of America for postdoctoral research work. In 2013, he moved back to India and joined as Assistant Professor in the Department of Biochemistry at Central University of Rajasthan, India. He visited several countries such as Italy, Germany, Belgium, Switzerland, South Africa, Brazil, Nepal and United States of America to present his research work and establish collaboration.

Dr. Prajapati is a recipient of several national and international scientific fellowship and awards.

For his research contribution, he was awarded Ranbaxy Science Scholar-2011 from the top ranked Indian pharmaceutical organization Ranbaxy Science Foundation. For his pioneer research and academic contribution, he was elected as a MNASc by The National Academy of Sciences, India (NASI), Allahabad. Dr. Prajapati is a recipient of Shakuntla Amir Chand Prize-2014 by Indian Council of Medical Research (ICMR). For his outstanding research work in health sciences, he was awarded by INSA Medal for young scientist-2015 by Indian National Academy of Sciences (INSA), New Delhi. He is recognized as Associate by the Indian Academy of Sciences, Bengaluru for the 2016-19 tenure. He has been awarded ASM-IUSSTF Indo-US Research Professorship from The American Society for Microbiology (ASM) and Indo-US Science and Technology Forum (IUSSTF) for 2016. In 2017, he got the Young Scientist Award from National Academy of Agricultural Sciences (NAAS) and The Biotechnology Research Society, India (BRSI).

The, Indian Society of Chemists and Biologists, India is privileged to honor Dr. Vijay Kumar Prajapati with 'Young Scientist Award in Biological Sciences' of the society for the year 2018 for his outstanding contributions in Visceral Leishmaniasis chemotherapy

ISCB DISTINGUISHED WOMEN SCIENTISTS AWARD-2018

Dr. Vinita Chaturvedi
Senior Principal Scientist
Biochemistry Division
Central Drug Research Institute
India



Born on July 10, 1963 in Agra. Obtained Masters in Organic Chemistry in 1983 from Agra College, and Ph.D. in Biochemistry in 1987 from S.N. Medical College, Agra, Agra University. Carried out Post Doctoral Research from 1988-1991 at Immunology Department, National JALMA institute for Leprosy and Other Mycobacterial Diseases (an ICMR institute), Agra. In 1992 joined CSIR- Central Drug Research Institute, Lucknow as Scientist B. Presently working as a Senior Principal Scientist in Biochemistry Division at CDRI. Major focus of Research is Immunology and Microbiology of Mycobacterial Infections and Anti-TB drug Discovery.

Made efforts to provide Simple, Biologically safe, Time and Cost effective measures towards the development of, Candidate TB Vaccine, Sero-diagnosis of Extra-pulmonary TB patients, and Rapid non-hazardous Assay Model to select novel molecules active against Multi-drug resistant (MDR) *M. tb*. In view of the hazardous nature of the causative pathogen, *M. tuberculosis*H37Rv, for the users as well as to the environment, preferred the use of Non-pathogenic species of Mycobacteria (*M tb* H37Ra, *M. habana* and *M. smegmatis*) in the studies.

Contributed substantially in the Anti-TB Drug Development Programme of CSIR-CDRI. So far, determined, **MIC** (potential to inhibit growth of *M. tuberculosis*) of about **15,000 samples** (NCEs, Extracts from Plants, Microbes (Bacteria/Fungi), Marine flora and fauna, and those prepared from Traditional Systems of Indian Medicine, Ayurveda, Unani, Siddha etc), checked **CC₅₀** (Cytotoxicity towards VERO cells & Mouse macrophages) of about **500 *in vitro* 'HIT's'** and **Therapeutic efficacy** (in Mouse model) of about **150 Active- Non-Toxics**. Identified '**Lead**' molecules were also tested against **Single- and Multi-Drug Resistant *M. tb*** and for their **Compatibility** with existing anti-TB drugs.

Published **71 Research Articles** in Reputed SCI Journal and **41 Patents** (15 Foreign and 26 Indian).

Major Achievements;

1. Secured **4th position** in *M. Sc.*, in **Agra University, 1983.**
2. Availed **JRF, SRF and Research Associate ship** of **ICMR** during Doctoral and Post Doctoral Research,
 1. **1983-1991.**
 2. Availed the **prestigious JICA (Japan International Cooperation Agency, Gov. of Japan) Fellowship** in
 3. **Biotechnology, at Kobe University, Japan, 1996.**

4. Received ***HIGH QUALITY RESEARCH WORK AWARD*** of Hamdard National Foundation, 1987.
5. Received ***YOUNG SCIENTIST AWARD*** (in Biological Sciences) of Indian Science Congress , 1989.
6. Received ***ACWORTH LEPROSY HOSPITAL RESEARCH SOCIETY AWARD*** of Indian Association of Leprologists, 1992.
7. Received ***IMMUNOLOGY FOUNDATION AWARD*** of Indian Association of Leprologists, 2007.

Total Citations: 1623

Average citation: 22.86

h-index- 24.

ISCB BEST TEACHER AWARD-2018

PROF. DALIP KUMAR

Department of Chemistry
Associate Dean, International Programmes and Collaborations
BITS Pilani-333 031 (Rajasthan) India
E-mail: dalipk@pilani.bits-pilani.ac.in



RESEARCH AREA: (Synthetic Organic & Medicinal Chemistry)

- Natural and synthetic indole-based bioactive heterocycles as novel anticancer agents
- Identification of novel porphyrin-based photosensitizers
- Metal-catalyzed formation of carbon-carbon & carbon-heteroatom bonds
- Identification of novel phosphodiesterase-4 inhibitors

EDUCATION:

Ph.D. (Organic Chemistry), 1997 Kurukshetra University Kurukshetra, Haryana, India
M. Phil. (Organic Chemistry), 1993 Kurukshetra University Kurukshetra, Haryana, India

TEACHING AND RESEARCH EXPERIENCE: 22 YEARS

2010-13 Associate Professor & Head, Department of Chemistry, BITS Pilani, India
2004-10 Assistant Professor & Head, Department of Chemistry, BITS Pilani, India
2002-04 Research Associate, Department of Chemistry & Biochemistry, UMD, USA
2000-02 Lecturer, Department of Chemistry, BITS Pilani, India
1999-00 Post-doctoral Fellow, Medicinal Chemistry Division, UT, Austin, USA
1997-99 Postdoctoral Fellow, Sam Houston State University, Huntsville, TX, USA

AWARDS:

- Platinum Jubilee Award Lecture, Indian Science Congress Association-**2018**
- Chemical Research Society of India (CRSI) Bronze Medal- **2017**
- R D Desai 80th Birthday Commemoration Medal & Prize, **2015**, Indian Chemical Society
- Honorary Diploma by International Charitable Foundation "Scientific Partnership" of Russia (**March 2013**)
- Associate Editor, Chemistry & Biology Interface (<http://cbijournal.com/>)
- Joint Secretary, Indian Society of Chemists and Biologist, CDRI Lucknow
- ARKIVOC Editorial Board of Referees (<http://www.arkat-usa.org>)

Ph D THESIS SUPERVISED: **09**

SPONSORED RESEARCH PROJECTS:

- Completed Major Project **08** (DRDO, DST, DST-JSPS, UGC, CSIR, UGC, DBT, Ranbaxy)
- Ongoing Major Projects: **02**

PUBLICATIONS & CITATIONS:

Research Papers	Patent	Total Citation	H-Index	i10-Index	Invited Lectures
125	02	4119	37	76	35

SELECTED PUBLICATIONS (LAST FIVE YEARS):

Mehra, M. K., Tantak, M. P., Arun, V., Kumar, I., Kumar, D. **Org. Biomol. Chem.**, **2017**, 15, 4956.; Tantak, M. P., Klingler, T. L., Arun, V., Kumar, A., Sadana, R., Kumar, D. **Eur. J. Med. Chem.** **2017**, 136, 184.; Tantak, M. P., Mukherjee, D. D., Kumar, A., Chakrabarti, G., Kumar, D., **Anticancer Agents Med Chem.**, **2017**, 17, 442.; Jha M., Dhiman, S., Cameron, T. S., Kumar, D., Kumar, A. **Org. Lett.** **2017**, 19, 2038.; Sridhar, S.N.C., Ginson, G., Reddy, P.O. V. Tantak, M. P., Kumar, D., Paul, A. T., **Biorg. Med. Chem.**, **2017**, 25, 609.; Arun V., Pilania, M. Kumar, D. **Chem. Asian. J.**, **2016**, 11(23) 3345.; Vaddula, B.R., Tantak, M. P., Sadana, R., Gonzalez, M. A., Kumar, D, **Scientific Reports**, **2016**, 6, 23401.; Arun, V., Reddy, P. O. V., Pilania, M., Kumar, D., **Eur. J. Org. Chem.** **2016**, 2016 (12) 2096.; Mukherjee, D. D., Kumar, N. M., Tantak, M. P., Das, A. Ganguli, A., Datta, S. Kumar, D. Chakrabarti, G., **Biochemistry**, **2016**, **55**, **3020**.; Kumar, D., Mishra, B., Chandrashekar, K. P., Khandagale, S. B., Kumar, A. Akamatsu, K., Kusaka, E., Tanabe, K., Ito, T. **RSC Adv.**, **2015**, 5, 53618.; Kumar, D., Pilania, M., Arun V., Pooniya, S., **Org. Biomol. Chem.**, **2014**, 12, 6340.; Bhattacharya, S., Kumar, N. M., Ganguli, A., Tantak, M. P., Kumar, D., Chakrabarti, G, **PLOS ONE**, **2013**, 10.1371.; Kumar, D., Mishra, B A., Shekar, K. P. C., Kumar, A., Akamatsu, K., Kurihara, R., Ito T. **Org. Biomol. Chem.**, **2013**, 11, 6675.; Kumar, D., Mishra, B. A., Shekar, K. P. C., Kumar, A., Akamatsu, K., Kusaka, E., Ito, T. **Chem. Commun.** **2013**, 49, 683.

ISCB BEST TEACHER AWARD-2018

Dr. Bapurao B. Shingate

Assistant Professor,
Department of Chemistry,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad-431 004, Maharashtra State, INDIA

E-mail: bapushingate@gmail.com



Dr. Bapurao B. Shingate has been working as an Assistant Professor in Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, since 2008. He remained alumni of the same department. His birth place is Salagara (Divati), Tq. Tuljapur, Dist. Osmanabad (Maharashtra), a known backward region. He obtained his B.Sc. and M.Sc. Degree with distinction from this university. He has qualified SET examination, conducted by University of Pune in 2001. He is the first student of this university, who has qualified NET-JRF in Chemical Sciences, conducted by UGC-CSIR, in 2001. After qualifying, he joined as a research scholar at CSIR-National Chemical Laboratory, Pune under the supervision of Dr. B. G. Hazra, and earned Ph. D degree in 2010 from University of Pune. He has significantly contributed through his Ph. D. work to steroid chemistry, particularly natural products synthesis.

After joining as an Assistant Professor at Department of Chemistry, he has focused on alternative, novel and new cost effective methodologies for value added organic transformations. His current research contribution in the area of medicinal chemistry using rational drug design approach is gaining recognition. His research group has synthesized a library of biodynamic heterocycles and thus obtained new antitubercular and antifungal agents. So far he has published 96 papers in the journals of international repute. His publications are cited over 1728 times with an average citation of 18/paper showing an H-index of 22 and i-10 index 55. Under his supervision, 02 students are awarded Ph.D degree and 06 students are pursuing for their Ph.D degree. He has worked as a Visiting Researcher with Professor Larry Overman, University of California, Irvine, USA under Indo-US Research Fellowship (2014). He is an editor/Associate editor/ Member of Editorial board for various reputed journals. He has also coauthored a book chapter entitled, "Ultrasound in Synthetic Applications and Organic Chemistry" in "Handbook on Applications of Ultrasound Sonochemistry for Sustainability," published by CRC Press Taylor and Francis Group. The outstanding and creditable contribution made by him is a Review article published in the prestigious journal, "**Chemical Reviews**" of American Chemical Society with **impact factor 47.928**. He has also delivered several invited talks in International/National Seminars and Conferences and in various institutions and university departments.

As a teacher, he is keenly devoting his services to nurture fundamentals of chemistry to post graduate students and trying to enhance their capabilities for practicing chemistry with responsibility. He has been providing specific training and motivation to the students for qualifying competitive examinations like NET, SET and GATE. He has shouldered other student centric various responsibilities assigned by the university authorities.

Due to his scientific and academic contributions, he becomes a recipients of the prestigious Shikshak Pratibha Award (2012), IUSSTF Fellow (2013), Ideal Teacher Award (2014) and Best Research Professor Award (2017).

The, Indian Society of Chemists and Biologists, India is privileged to honor Dr. Bapurao Shingate with 'ISCB-Best Teacher Award-2018 in Chemical Sciences' for his outstanding contributions in Academics and Research.

Total Citations : 1728
Average Citations : 18
H-index : 22 **i-10 index** : 55

Selected publications (LAST FIVE YEARS)

1. "Quinolidene-rhodanine conjugates: Facile synthesis and biological evaluation", Subhedar, D. D.; Shaikh, M. H.; **Shingate, B. B.**; Nawale, L.; Sarkar, D.; Khedkar, V. M.; Khan, F. A. K.; Sangshetti, J. N. *Eur. J. Med. Chem.* **2017**, *125*, 385.
2. "Ionic hydrogenation-directed stereoselective construction of C-20(H) stereogenic center in steroid side chains: Scope and limitations" **Shingate, B. B.**; Hazra, B. G. *Tetrahedron* **2017**, *73*, 2396-2414
3. "Quinolidene Based Monocarbonyl of Curcumin Analogues as Promising Antimycobacterial Agents: Synthesis and Molecular Docking Study", Subhedar, D. D.; Shaikh, M. H.; Nawale, L.; Sarkar, D.; Khedkar; V. M.; **Shingate, B. B.** *Bioorg. Med. Chem. Lett.* **2017**, *125*, 385.
4. "Facile Synthesis of New N-Sulfonamidyl-4-thiazolidinone Derivatives and Biological Evaluation", Subhedar, D. D.; Shaikh, M. H.; Khan, F. A. K.; Sangshetti, J. N.; Khedkar, V. M.; **Shingate, B. B.** *New J. Chem.* **2016**, *40*, 3047.
5. "Facile Synthesis of 1,3-Thiazolidin-4-ones as Antitubercular Agents", Subhedar, D. D.; Shaikh, M. H.; Arkile, M.; Yeware, A.; Sarkar, D.; **Shingate, B. B.** *Bioorg. Med. Chem. Lett.* **2016**, *26*, 1704.
6. "Novel Tetrazoloquinoline-Rhodanine Conjugates: Highly Efficient Synthesis and Biological Evaluation", Subhedar, D. D.; Shaikh, M. H.; Arkile, M.; Yeware, A.; Sarkar, D.; Khan, F. A. K.; Sangshetti, J. N.; **Shingate, B. B.** *Bioorg. Med. Chem. Lett.* **2016**, *26*, 2278.
7. "Novel tetrazoloquinoline-thiazolidinone conjugates as possible antitubercular agents: synthesis and molecular docking ", Subhedar, D. D.; Shaikh, M. H.; **Shingate, B. B.**; Nawale, L.; Yeware, A.; Sarkar, D.; Khedkar; V. M. *Med. Chem. Commun.* **2016**, *7*, 1832.
8. "Synthesis and Bioactivity of Novel Triazole Incorporated Benzothiazinone Derivatives as Antitubercular and Antioxidant Agent", Shaikh, M. H.; Subhedar, D. D.; Arkile, M.; Khedkar, V. M.; Jadhav, N.; Sarkar, D.; **Shingate, B. B.** *Bioorg. Med. Chem. Lett.* **2016**, *26*, 561.
9. "1,2,3-Triazole Derivatives as Antitubercular Agents: Synthesis, Biological Evaluation and Molecular Docking Study", Shaikh, M. H.; Subhedar, D. D.; Nawale, L.; Sarkar, D.; Khan, F. A. K.; Sangshetti, J. N.; **Shingate, B. B.** *Med. Chem. Commun.* **2015**, *6*, 1104.
10. "A Concise Account of Various Approaches for Stereoselective Construction of the C-20(H) Stereogenic Center in Steroid Side Chain" **Shingate, B. B.**; Hazra, B. G. *Chemical Reviews* **2014**, *114*, 6349.

ISCB BEST TEACHER AWARD-2018

Dr. Mahesh C. Sharma, Ph.D.

Associate Professor

Convener, Board of Studies in Chemistry

Natural Products Laboratory, Centre for Advanced Studies

Department of Chemistry, University of Rajasthan, Jaipur, Rajasthan,
India 302004

Contact No. + 91-9799774222

Email:- drmaheshin@yahoo.com



Associate Professor:	2012- continue
Assistant Professor:	1996-2012
Visiting Scientist:	Nov.1990 to Dec.-1992 with Professor M. Yatagai <i>Forestry and Forest Products Research Institute (FFPRI), Tsukuba, Japan.</i>
Doctor of Philosophy (Ph.D.):	1986 with Professor K C. Joshi <i>University of Rajasthan, Jaipur-India.</i>
Master of Science (M.Sc.):	1981; <i>Agra University, Agra- India</i>

Research Interest:

Isolation of Phytochemicals, Development of alternative medicines and herbal cosmetics

International Collaborations Held:

1. Inje University, South Korea
2. Colgate Palmolive, USA
3. Ashland INC, USA

Awards and achievements

1. Awarded **STA Fellowship** by JISTEC
2. Qualified Direct CSIR-JRFin 1982
3. Qualified Direct CSIR-SRFin 1984

R & D Projects

1. Comprehensive approach towards evaluation of allelopathic potential of certain endemic plants (UGC-INDIA)
2. Quinonoid molecular diversity in bignoniaceae and its chemotaxonomic and biogenetic significance (UGC-INDIA)

Total :Publications: 51

ISCB BEST THESIS AWARD-2018

Dr. Dharmendra Singh



Educational Qualifications: (i) Ph.D (Chemistry) in July 2017 from IIT Madras, Chennai
Thesis title: "Brønsted acidic ionic liquids: Synthesis, physiochemical properties and stability of biomolecules."
(ii) M.Sc (Chemistry) from Dr. R.M.L. Awadh University Faizabad

Scholar Achievements: (i) Qualified CSIR- JRF (AIR-53)
(ii) Best oral presentation award, Chemistry in house symposium (CiHS-2015); held at IIT-Madras, Chennai during August 12, 2015.
(iii) Best Poster presentation award, TPCBS-2015; held at Chandigarh, Punjab University during November 20-21, 2015.

Research Publications:

1. **Dharmendra Singh**, Vickramjeet Singh and Ramesh L. Gardas* *J. Sol. Chem.* 2015, 44, 634-651.
2. Vickramjeet Singh, **Dharmendra Singh** and Ramesh L. Gardas* *Ind. Eng. Chem. Res.* 2015, 54, 2237-2245.
3. **Dharmendra Singh**, Vickramjeet Singh, Nasarul Islam and Ramesh L. Gardas* *RSC Adv.* 2016, 6, 623-631.
4. **Dharmendra Singh** and Ramesh L. Gardas* *J. Phys. Chem. B* 2016, 120, 4834-4842.
5. **Dharmendra Singh**, Gyanendra Sharma and Ramesh L. Gardas* *ChemistrySelect* 2017, 2, 3943-3947.
6. K. J. Jisha, **Dharmendra Singh**, Gyanendra Sharma and Ramesh L. Gardas* *J. Mol. Liq.* 2017, 231, 213-219.
7. Somenath Panda, **Dharmendra Singh**, Gyanendra Sharma, Anusha Basaiahgari and Ramesh L. Gardas* *J. Chem. Eng. Data* 2017, 62, 1189-1197.
8. Anirban Sarkar, Gyanendra Sharma, **Dharmendra Singh** and Ramesh L. Gardas* *J. Mol. Liq.* 2017, 242, 249-254.
9. **Dharmendra Singh**, Gyanendra Sharma and Ramesh L. Gardas* *J. Mol. Liq.* 2017, 244, 55-64.
10. Gyanendra Sharma, **Dharmendra Singh**, Sunita Rajamani and Ramesh L. Gardas* *ChemistrySelect* 2017, 2, 10091-10096.