# SAHIL SHARMA, PhD

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## **CAREER GOAL**

To acquire a rewarding and responsible position, which enables me to lead, to learn, to organize and manage work force and assist my co-workers to do the same. To put in my best efforts to achieve commendable results in my assignments.

# **SUMMARY**

- ➤ Doctorate of Philosophy from Guru Nanak Dev University in Pharmaceutical Sciences.
- ➤ Broad experience in writing and editing of scientific documents and manuscripts for peer-reviewed research journals, funding bodies, conferences, symposiums, departmental seminars and journal clubs.
- ➤ Major focused on the area of intra-operative imaging tools, catalysis, molecular hybrids, antimicrobials, spermicides, HSP, tubulin, xanthine oxidase, cholesterol esterase and other enzyme inhibitors.
- Extensive conceptual knowledge in synthetic chemistry as well as natural products chemistry, project handling, laboratory operations and analysis or interpretation of data.
- A flexible & detail oriented attitude with an ability to work independently as well as part of a multidisciplinary team.
- ➤ Well versed with MS Office & Internet Applications.
- > Proficient in animal handling.

# **EDUCATIONAL QUALIFICATION**

#### **DOCTORATE OF PHILOSOPHY (Pharmaceutical Sciences)**

(2012-2016)

Department of Pharmaceutical Sciences

Guru Nanak Dev University

Amritsar, Punjab, India

<u>Thesis title</u>: Design and synthesis of nitrogen, oxygen and sulfur heterocycles as bioactive molecules.

**CGPA in Pre PhD Course Work:** 7.00

**Supervisor:** Prof. Preet Mohinder Singh Bedi, M. Pharm., Ph.D.

## **MASTER OF PHARMACY (Pharmaceutical Chemistry)**

(2009-2011)

Department of Pharmaceutical Chemistry,

I.S.F. College of Pharmacy

Moga, Punjab, India

<u>Thesis title:</u> Synthesis and biological evaluation of novel heterocycles as potential anticancer agents.

**Percentage:** 76% (Distinction)

**Supervisors:** Prof. Kanaya Lal Dhar and Dr. Raj Kumar

#### **BACHELOR OF PHARMACY**

(2005-2009)

I.S.F. College of Pharmacy

Moga, Punjab, India

Percentage: 67%

### **AWARDS AND HONORS**

# **Fellowship Awards**

- ➤ Research Fellowship awarded by University Grants Commission (under UGC-UPE scheme), Government of India (August 2015 April 2016).
- Research Fellowship awarded by Department of Science and Technology (under DST-PURSE scheme), Government of India (October 2011 July 2013).
- ➤ Graduate Aptitude test for Engineering (GATE) Fellowship awarded by All India Council for Technical Education, Government of India (August 2009 July 2011).

#### **Other Honors**

▶ 1<sup>st</sup> prize in poster presentation at 1<sup>st</sup> Indo-Korean Conference organized by APP
Punjab State Branch at GHG Khalsa College of Pharmacy, Gurusar Sadhar, Ludhiana,
Punjab in 2015.

**Guest of Honour** at Shaheed Bhagat Singh College of Pharmacy, Patti, Punjab, India.

## RESEARCH AND ACADEMIC EXPERIENCES

#### POSTDOCTORAL RESEARCH FELLOW

(April 2017 to present)

Memorial Sloan Kettering Cancer Center, New York, NY, USA

#### GRADUATE RESEARCH ASSISTANT

(July 2016 to March 2017)

Memorial Sloan Kettering Cancer Center, New York, NY, USA

# **RESEARCH FELLOW** (October 2011 to July 2013 and August 2015 to April 2016)

Department of Pharmaceutical Sciences, Guru Nanak Dev University, Amritsar, PB, India

# Research responsibilities

- > Design, synthesis and analysis of compounds for screening in drug discovery projects.
- ➤ Manage own academic research and administrative activities. This involves small scale project management to co-ordinate multiple aspects of work to meet deadlines
- Adapt existing, and develop new scientific techniques and experimental protocols
- Test hypotheses and analyse scientific data from a variety of sources, reviewing and refining working hypotheses as appropriate
- Contribute ideas for new research projects
- > Develop ideas for generating research income, and present detailed research proposals to senior researchers
- ➤ Undertake comprehensive and systematic literature reviews and write up the results for publication in patents and peer-reviewed journals
- ➤ Collaborate in the preparation of scientific reports and journal articles and occasionally present papers and posters
- > Use specialist scientific equipment in a laboratory environment
- Act as a source of information and advice to other members of the group on scientific protocols and experimental techniques
- ➤ Represent the research group at external meetings/seminars, either with other members of the group or alone

- ➤ Carry out collaborative projects with colleagues in partner institutions, and research groups.
- Actively participate in group meetings and problem sessions.

#### ASSISTANT PROFESSOR

(July 2013 to May 2015)

Department of Pharmaceutical Sciences, Guru Nanak Dev University, Amritsar, Punjab, India

# **Academic responsibilities**

- ➤ Preparing and delivering lectures, and conducting tutorials, seminars and laboratory sessions for undergraduate and postgraduate students on following subject courses (Theory and practical):
- ✓ Organic Chemistry
- ✓ Pharmaceutical Chemistry
- ✓ Natural Product Chemistry
- ✓ Biochemistry
- ✓ Physical Chemistry
- ✓ Pharmaceutical Analysis
- ✓ Medicinal Chemistry
- Marking assignments submitted by the students
- Making question papers for internal examinations and evaluating their answer booklets
- ➤ Participating in the evaluation of semester end final examination
- ➤ Advising students on academic and related matters
- Attending departmental and faculty meetings, conferences and seminars
- > Supervising work programs of postgraduate and doctorate students
- ➤ Conducting research in the field of medicinal chemistry, organic chemistry and pharmaceutical analysis.

# RESEARCH AREA/TECHNICAL EXPERTISE

> Design, synthesis and biological evaluation of small inhibitors targeting various enzymes

- and proteins anticipated to have potential as anticancer, antigout, antimicrobial, spermicidal, antilipidemic and antiepileptic.
- Microwave assisted synthesis, lewis acid catalysis, multicomponent synthesis via microwave as well as conventional techniques.
- ➤ Characterization techniques such as <sup>1</sup>H NMR, <sup>13</sup>C NMR, mass spectrometry, infrared spectroscopy and UV spectroscopy.
- > Structural elucidation via HETCOR, COSY and various other sophisticated techniques for structure interpretation.
- ➤ In vitro and in vivo pharmacological assay procedures.
- > Establishment of structure activity relationship
- Molecular modeling studies and other computational techniques of medicinal chemistry.
- ➤ Isolation of pure compounds from a mixture by various chromatographic techniques such as column chromatography and preparative thin layer chromatography.

# **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

- ➤ New York Academy of Sciences
- ➤ Society of Pharmaceutical Education & Research (SPER)
- Registered as Pharmacist at Punjab State Pharmacy Council

## **PUBLICATIONS**

Research articles: 17; Review articles: 15; Book chapters: 2; Book: 1; Patent: 1; Posters: 5; Citation: 415; h-Index: 12; i10 index: 15

#### **Research articles**

- Harbinder Singh, Jatinder V. Singh, Manish K. Gupta, Ajit K. Saxena, Sahil Sharma\*, Kunal Nepali, Preet Mohinder S. Bedi. "Triazole tethered isatin-coumarin based molecular hybrids as novel antitubulin agents: Design, synthesis, biological investigation and docking studies", Bioorganic & Medicinal Chemistry Letters, 27: 3974–3979 (2017). ISSN: 0960-894X Impact Factor: 2.52
- 2. Harbinder Singh, Jatinder V. Singh, Manish K. Gupta, Palwinder Singh, **Sahil Sharma**\*, Kunal Nepali, Preet Mohinder S. Bedi. "Benzoflavones as cholesterol esterase inhibitors:

- Synthesis, biological evaluation and docking studies", Bioorganic & medicinal chemistry letters, 27: 850-854 (2017). ISSN: 0960-894X Impact Factor: 2.52
- Manroopraj Kaur, Amandeep Kaur, Suhani Mankotia, Harbinder Singh, Arshdeep Singh, Jatinder V. Singh, Manish K. Gupta, Sahil Sharma\*, Kunal Nepali, Preet Mohinder S. Bedi. "Synthesis, screening and docking of fused pyrano [3, 2-d] pyrimidine derivatives as xanthine oxidase inhibitor", European Journal of Medicinal Chemistry, 131: 14-28 (2017). ISSN: 0223-5234 Impact Factor: 4.519
- 4. Harbinder Singh, Mandeep Kumar, Kunal Nepali, Manish K. Gupta, Ajit K. Saxena, Sahil Sharma\*, Preet Mohinder S. Bedi. Triazole tethered C<sub>5</sub>-curcuminoid-coumarin based molecular hybrids as novel antitubulin agents: Design, synthesis, biological investigation and docking studies. European Journal of Medicinal Chemistry, 116: 102-115 (2016). ISSN: 0223-5234 Impact Factor: 4.519.
- 5. **Sahil Sharma\***, Manish K. Gupta, Ajit K. Saxena, Preet Mohinder S. Bedi. "Thiazolidinone constraint combretastatin analogs as novel antitubulin agents: Design, synthesis, biological evaluation and docking studies", Anti-Cancer Agents in Medicinal Chemistry, (2016). ISSN: 1875-5992 Impact Factor: 2.598.
- 6. **Sahil Sharma\*,** Manish K. Gupta, Ajit K. Saxena, Preet Mohinder S. Bedi. "Triazole linked mono carbonyl curcumin-isatin bifunctional hybrids as novel anti tubulin agents: Design, synthesis, biological evaluation and molecular modeling studies", Bioorganic & Medicinal Chemistry, 23: 7165-7180 (2015). ISSN: 0968-0896 Impact Factor: 2.930
- Ramandeep Kaur, Fatimah Naaz, Sahil Sharma, Samir Mehndiratta, M.K. Gupta, PMS Bedi, Kunal Nepali, "Screening of a library of 4-Aryl/Heteroaryl-4*H*-fused pyrans for xanthine oxidase inhibition: Synthesis, biological evaluation and docking studies", Medicinal Chemistry Research, 24: 3334–3349 (2015) ISSN: 1054-2523 Impact Factor: 1.277
- Jatinder Vir Singh, Sahil Sharma\*, Sandeep Rahar. "Synthesis and spermicidal activity of substituted (E)-3-(aryl/heteroaryl)-1-phenylprop-2-en-1-ones", Der Pharma Chemica, 7: 93-103 (2015) ISSN: 0975-413X Impact Factor: 0.38
- 9. Charanjeet Kaur, Suruchi Dhiman, Harbinder Singh, Manpreet Kaur, Sandeep Bhagat, Manish Kumar Gupta, **Sahil Sharma\***, Preet Mohinder Singh Bedi. "Synthesis, screening and docking studies of benzochromone derivatives as xanthine oxidase

- inhibitors", Journal of Chemistry and Pharmaceutical Research, 7: 127-136 (2015) ISSN: 0975-7384 Impact Factor: 0.75.
- 10. Sahil Sharma, Charanjit Kaur, Abhishek Budhiraja, Kunal Nepali, Manish K. Gupta, A.K. Saxena, P.M.S. Bedi, "Chalcone based azacarboline analogues as novel antitubulin agents: Design, synthesis, biological evaluation and molecular modeling studies", European Journal of Medicinal Chemistry, 85: 648-660 (2014). ISSN: 0223-5234 Impact Factor: 4.519
- 11. Sahil Sharma, Kirti Sharma, Ritu Ojha, Dinesh Kumar, Gagandip Singh, Kunal Nepali, P. M. S. Bedi, "Microwave assisted synthesis of naphthopyrans catalysed by silica supported fluoroboric acid as a new class of non purine xanthine oxidase inhibitors", Bioorganic & Medicinal Chemistry Letters, 24: 495–500 (2014). ISSN: 0960-894X Impact Factor: 2.52
- 12. Harbinder Singh, **Sahil Sharma**, Ritu Ojha, Manish K. Gupta, Kunal Nepali, P. M. S. Bedi, "Synthesis and evaluation of naphthoflavones as a new class of non purine xanthine oxidase inhibitors", Bioorganic & Medicinal Chemistry Letters, 24: 4192–4197 (2014). ISSN: 0960-894X Impact Factor: 2.52
- 13. Harpreet S. Virdi, **Sahil Sharma**, Samir Mehndiratta, P. M. S. Bedi, and Kunal Nepali, "Design, synthesis and evaluation of 2,4-diarylpyrano[3,2-c]chromen-5(4H)-one as a new class of non-purine xanthine oxidase inhibitors", Journal of Enzyme Inhibition and Medicinal Chemistry, 30(5): 1-7 (2014). ISSN: 1475-6366 Impact Factor: 4.293
- 14. Manmohan Sharma, Sahil Sharma, Abhishek Buddhiraja, A. K. Saxena, Kunal Nepali, P. M. S. Bedi, "Synthesis and cytotoxicity studies of 3,5-diaryl N-acetyl pyrazoline—isatin hybrids", Medicinal Chemistry Research, 23(10): 4337-4344 (2014). ISSN: 1054-2523 Impact Factor: 1.277
- 15. Jagjeet Singh, **Sahil Sharma**, A. K. Saxena, Kunal Nepali & Preet Mohinder Singh Bedi, "Synthesis of 1,2,3-triazole tethered bifunctional hybrids by click chemistry and their cytotoxic studies", Medicinal Chemistry Research, 22(7): 3160-3169 (2013). ISSN: 1054-2523 Impact Factor: 1.277
- 16. **Sahil Sharma**, Vikas Thakur, Ritu Ojha, Abhishek Budhiraja, Kunal Nepali and Preet Mohinder Singh Bedi, "Aza Analogs of Flavones as Potential Antimicrobial Agents",

- Letters in Drug Design & Discovery, 10: 327-334 (2013). ISSN: 1875-628X Impact Factor: 1.17
- 17. Rajni Dhiman, **Sahil Sharma**, Gagandip Singh, Kunal Nepali, and Preet Mohinder Singh Bedi, "Design and Synthesis of Aza-Flavones as a New Class of Xanthine Oxidase Inhibitors", Archiv der Pharmazie Chemistry in Life Sciences, 346(1): 7–16 (2013). ISSN: 0365-6233 Impact Factor: 1.994

# **Review articles**

- 1. Harbinder Singh, Jatinder V. Singh, Navdeep Kaur, Mohit Sanduja, Gurpreet Singh, Preet Mohinder S. Bedi, **Sahil Sharma**\*. "Rational approaches, design strategies, structure activity relationship and mechanistic insights for esterase inhibitors", Mini Reviews in Medicinal Chemistry, (2017) (Accepted) ISSN: 1875-5607 Impact Factor: 2.661.
- Ritu Ojha, Jagjeet Singh, Anu Ojha, Harbinder Singh, Sahil Sharma\*, Kunal Nepali.
   "An updated patent review: xanthine oxidase inhibitors for the treatment of hyperuricemia and gout (2011-2015)", Expert Opinion on Therapeutic Patents, 27: 311-345 (2017) ISSN: 1354-3776 Impact Factor: 3.041
- Arshdeep Singh, Navdeep Kaur, Gurpreet Singh, Pooja Sharma, Preet Mohinder S. Bedi, Sahil Sharma\*, Kunal Nepali. "Topoisomerase I and II Inhibitors: A Patent Review", Recent patents on anti-cancer drug discovery, 11: 401-423 (2016). ISSN: 2212-3970 Impact Factor: 2.956
- 4. **Sahil Sharma,** Jagjeet Singh, Ritu Ojha, Harbinder Singh, Manpreet Kaur, P.M.S. Bedi, Kunal Nepali. "Design Strategies, Structure Activity Relationship and Mechanistic Insights for Purines as Kinase Inhibitors", European Journal of Medicinal Chemistry 112: 298-346 (2016). ISSN: 0223-5234 Impact Factor: 4.519.
- 5. Arshdeep Singh, Navdeep Kaur, **Sahil Sharma\***, Preet Mohinder Singh Bedi "Recent progress in biologically active xanthones: A comprehensive review", Journal of Chemistry and Pharmaceutical Research, 8(1): 75-131 (2016) ISSN: 0975-7384 Impact Factor: 0.75.

- Sahil Sharma, Samir Mehndiratta, Sunil Yadav, Preet M.S. Bedi, Kunal Nepali, "Purine Analogues as Kinase Inhibitors: A Review", Recent Patents on Anti-Cancer Drug Discovery, 10: 308-341 (2015). ISSN: 2212-3970 Impact Factor: 2.956
- 7. Manpreet Kaur, **Sahil Sharma\***, Preet M. S. Bedi, "Silica supported Brönsted acids as catalyst in organic transformations: A comprehensive review", Chinese Journal of Catalysis, 36: 520–549 (2015). ISSN: 1872-2067 Impact Factor: 2.813
- 8. Harminder Singh, Harbinder Singh, **Sahil Sharma\***, Preet Mohinder Singh Bedi. "Chemotherapeutic potential of acridine analogs: An ample review", Heterocycles, 91: 2043-2085 (2015). ISSN: 0385-5414 Impact Factor: 0.805
- 9. Ramandeep Kaur, Prabhkirat Kaur, **Sahil Sharma**, Gurpreet Singh, Samir Mehndiratta and Kunal Nepali, "Anti-Cancer Pyrimidines in Diverse Scaffolds: A Review of Patent Literature", Recent Patents on Anti-Cancer Drug Discovery, 10(1): 23-71 (2015). ISSN: 2212-3970 Impact Factor: 2.956
- 10. Kunal Nepali, **Sahil Sharma**, Manmohan Sharma, P.M.S. Bedi, K.L, "Rational approaches, design strategies, structure activity relationship and mechanistic insights for anticancer hybrids", European Journal of Medicinal Chemistry, 77: 422-487 (2014). ISSN: 0223-5234 Impact Factor: 4.519.
- 11. Kunal Nepali, **Sahil Sharma**, Dinesh Kumar, Abhishek Budhiraja and Kanaya L. Dhar, "Anticancer Hybrids- A Patent Survey", Recent Patents on Anti-Cancer Drug Discovery, 9(3): 303-339 (2014). ISSN: 2212-3970 Impact Factor: 2.956
- Kunal Nepali, Ritu Ojha, Sahil Sharma, Preet M.S. Bedi and Kanaya L. Dhar, 'Tubulin Inhibitors: A Patent Survey', Recent Patents on Anti-Cancer Drug Discovery, 9: 176-220 (2014). ISSN: 2212-3970 Impact Factor: 2.956
- 13. Kunal Nepali, **Sahil Sharma**, Ritu Ojha, Kanaya Lal Dhar, "Vasicine and structurally related quinazolines", Medicinal Chemistry Research, 22: 1–15 (2013). ISSN: 1054-2523 Impact Factor: 1.277
- 14. Sameer Sapra, Yashika Bhalla, Nandani, Sahil Sharma, Gagandip Singh, Kunal Nepali, Abhishek Budhiraja, Kanaya L. Dhar "Colchicine and its various physicochemical and biological aspects", Medicinal Chemistry Research, 22(2): 531-547 (2012). ISSN: 1054-2523 Impact Factor: 1.277

Publication type: INA

15. Raj Kumar, Darpan, **Sahil Sharma**, Rajveer Singh, "Xanthine oxidase inhibitors: a patent survey" Expert Opinion on Therapeutic Patents, 21(7): 1071-108 (2011). ISSN: 1354-3776 Impact Factor: 3.041

#### **Book chapters**

- 1. Samir Mehndiratta, **Sahil Sharma**, Sunil Kumar, Kunal Nepali. Molecular Hybrids with Anticancer Activity. *Topics in Anti-Cancer Research*, 2015, *Vol. 4*, 3-73.
- 2. Ritu Ojha, **Sahil Sharma**, Kunal Nepali. Anticancer Agents Targeting Tubulin. *Topics in Anti-Cancer Research*, 2015, *Vol. 4*, 156-266.

### **Book**

Arshdeep Singh, Harbinder Singh, **Sahil Sharma**. Medicinal attributes of curcumin and its analogs: A comprehensive review. Lambert Academic Publishing, 2016, ISBN: 9783659975400.

## **Patent**

Invention title: 4-ARYL/HETEROARYL-(1,3)-DIAZEPINO[4,5-B] INDOLE-2 (10H)-ONE AND DIAZEPINO [4,5B] INDOL-2 (10H)-IMINE COMPOUNDS AND PROCESS FOR PREPARATION THEREOF

Inventors: PREET MOHINDER SINGH BEDI, CHARANJEET KAUR, KUNAL NEPALI, **SAHIL SHARMA** 

Applicants: PREET MOHINDER SINGH BEDI, CHARANJEET KAUR, KUNAL NEPALI, **SAHIL SHARMA** 

Application number: 2318/DEL/2012 Filing date: 27/01/2013

Complete specification date: 27/01/2014 Publication date: 12/12/2014

Field of invention: (F103) CHEMICAL Classification: (IPC)

#### **Posters**

Publication number: 50/2014

 Presented a poster at MSK 2017 postdoctoral research symposium, MSKCC, New York City, NY in 2017.

- Presented a poster at Weill Cornell Medicine Pharmacology Retreat, Skytop Lodge, Skytop, PA in 2017.
- 3. Presented a poster at 1<sup>st</sup> Indo-Korean Conference organized by APP Punjab State Branch at GHG Khalsa College of Pharmacy, Gurusar Sadhar, PB in 2015.
- 4. Presented a poster at 51<sup>st</sup> National Pharmacy Week National Seminar on Pharmacist in Public Health held at Advanced Institute of Pharmacy, Palwal, HR in 2012.
- 5. Presented a poster at 47<sup>th</sup> ANNUAL CONFERENCE OF IHPA held at ISF College of Pharmacy, Moga, PB in 2010.

#### SYMPOSIUM/WORKSHOP PARTICIPATED

# **International**

- MSK 2017 POSTDOCTORAL RESEARCH SYMPOSIUM organized by MEMORIAL SLOAN KETTERING CANCER CENTER held at MSKCC, New York City, NY in 2017.
- 2. WEILL CORNELL MEDICINE PHARMACOLOGY RETREAT organized by WEILL CORNELL MEDICINE GRADUATE SCHOOL OF MEDICIAL SCIENCES held at Skytop Lodge, Skytop, PA in 2017.
- 3. 31<sup>ST</sup> ANNUAL RESMED: RESIDENTIAL SCHOOL ON MEDICINAL CHEMISTRY AND BIOLOGY IN DRUG DISCOVERY organized by TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE held at Alexandria Center, New York City, NY in 2017.
- 4. 1<sup>ST</sup> INDO-KOREAN CONFERENCE on CURRENT PROGRESS AND FUTURE PERSPECTIVES IN PHARMACEUTICAL TECHNOLOGY organized by APP PUNJAB STATE BRANCH held at GHG Khalsa College of Pharmacy, PB in 2015.
- PTU Sponsored INDO-BULGARIA INTERNATIONAL CONFERENCE on RECENT ADVANCES IN HERBAL TECHNOLOGY held at ISF College of Pharmacy, Moga, PB in 2013.
- 6. DST Sponsored INDO-TAIWAN WORKSHIP held at ISF College of Pharmacy, Moga, PB in 2011.

## **National**

- 1. ISTE-PTU Sponsored FACULTY DEVELOPMENT PROGRAMME held at SBS College of Pharmacy, Patti, PB in 2014.
- 2. Workshop on Advances in Structure Based Drug Design held at ISF College of Pharmacy, Moga, PB in 2013.
- 3. 51<sup>st</sup> National Pharmacy Week National Seminar on Pharmacist in Public Health held at Advanced Institute of Pharmacy, Palwal, HR in 2012.
- 4. APTI-16<sup>th</sup> Annual National Convention held at ISF College of Pharmacy, Moga in 2011.
- 5. AICTE Sponsored National Seminar on RATIONAL USE AND CLINICAL TRIAL OF DRUGS at ISF College of Pharmacy, Moga, PB in 2011.
- 6. 47<sup>th</sup> ANNUAL CONFERENCE OF IHPA held at ISF College of Pharmacy, Moga, PB in 2010.
- 7. SILVER JUBILEE CONFERENCE OF INDIAN PHARMACY GRADUATES ASSOCIATION held at ISF College of Pharmacy, Moga, PB in 2009.
- 8. One month training at Adley Formulations, Baddi, HP in 2009.
- 9. 12<sup>th</sup> Annual National ISP Convention held at ISF College of Pharmacy, Moga, PB in 2008.

#### **REVIEWER FOR SCIENTIFIC JOURNALS**

- > European Journal of Medicinal Chemistry
- ➤ Bioorganic and Medicinal Chemistry
- ➤ MedChemComm
- ➤ Journal of Molecular Liquids
- ➤ Journal of Nanostructure in Chemistry
- > Research on Chemical Intermediates
- ➤ BMC Pharmacology & Toxicology

#### **EDITORIAL BOARD MEMBER**

➤ BMC Pharmacology & Toxicology

## **OTHER ACHIVEMENTS**

➤ **IELTS** (General training): 8.5 (Listening; CLB = 10), 8.5 (Reading; CLB = 10), 6.5 (Writing; CLB = 8), 7.5 (Speaking; CLB = 10).

# **PERSONAL DETAILS**

Mother's name: Manju Sharma

Father's Name: Raj Kumar Sharma

> Date of Birth: November 12, 1987

Current address: 475 Main Street, Apt# 30, New York, NY-10044, USA

Permanent address: H. No. 14/919, St. No. 3, Geeta Colony, Moga, Punjab-142001, India

➤ Nationality: Indian

Language known: English, Hindi, Punjabi

➤ Marital status: Married

# **REFERENCES**

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