

ATUL SHARMA

Address:

School of Chemistry, Monash University

Clayton-3800, Victoria,

Melbourne, Australia

Email:- a.sharmard@gmail.com, atul.sharma@monash.edu

Ph: +61-426831987



Objective

To explore and associated in a well niched environment where working as a part will help in grooming my skills and making it suitable for research and academic world

Professional Qualification

- 2013-2018** - **Ph.D. (Biosensor)** under joint supervision from BITS, Pilani-K.K. Birla Goa Campus, INDIA and University of Perpignan Via Domitia (UPVD), Perpignan, FRANCE
- 2009-2011** - **M. Pharmacy** (Pharmaceutical Chemistry) from Uttar Pradesh Technical University), Lucknow, INDIA
- 2006-2009** - **B. Pharmacy** from Uttar Pradesh Technical University, Lucknow, INDIA
- 2004-2006** - **D. Pharmacy**, Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR), Delhi University, Delhi, INDIA

Educational Qualification

- 2003-2004** - Senior School Examination from Central Board of Senior and Secondary Education (C.B.S.E.), Delhi, INDIA
- 2001-2002** - High School Examination from Central Board of Senior and Secondary Education (C.B.S.E.), Delhi, INDIA

Research Experience

1. “Development of Novel Aptasensing Techniques for detection of Food Toxins and Antibiotic Residues in Food and Beverages” (**Doctoral Thesis Dissertation**).
 - ❖ Development of **nanomaterial based aptasensing platform** for detection of mycotoxins in beverages and food.
 - ❖ Development of **impedimetric based aptasensing platform** for detection of antibiotic residues in milk samples.
 - ❖ Development of **flow injection microfluidic** based aptasensing platform for detection of antibiotic residues (Real time analysis).
 - ❖ Development of nanomaterial based **separation techniques** for antibiotic residues.
2. “Synthesis and Pharmacological Evaluation of Some Novel Carbazole derivatives”. (**Master Thesis Dissertation**).
 - ❖ Synthesis and characterization (Mass, NMR, UV, FT-IR) of synthesized compounds.
 - ❖ Pharmacological evaluation of synthesized compounds using *in-vivo* and *in-vitro* studies.
3. “Study on emerging issues and advancements in the novel drug delivery system (NDDS)” (**B. Pharmacy Study Project**)

Instruments Handled

- Fourier Transform Alternating Cyclic Voltammetry (User)
- Electrochemical work station (CHE, Autolab and Ivium) (User)
- Electrochemical Quartz Crystal Nanobalance (Elchema)
- UV- spectrophotometer (Pharmaspec- 1700, Shimadzu)
- FTIR (IR Affinity1, Shimadzu) for Solid and Liquid
- Colorimeter, Polarimeter.
- HPLC (Agilent), LC-MS (Triple Quad, Agilent, User and Learner)
- AFM (NT-MDT, Russia) (User and Learner)
- Enzyme Thermistor (Lund Sweden)
- Multiplate reader and Fluorimeter.
- DTA-TGA (Shimadzu, User)
- Particle size analyzer (PSA, Bachmann coulter)
- Optical microscope.
- XRD (X-Ray crystallography, User)

Work Experience

1. Postdoctoral Research Fellow (Currently Working)

School of Chemistry, Monash University
Clayton Campus, Melbourne, Victoria, Australia

Job Profile: Experimentation of FTACV measurement of redox molecule and solve their reaction mechanism and calculate kinetics parameters

2. Assistant Professor

Period: July 2017- June 2018

School of Pharmaceutical Analysis, MVN University-Palwal, INDIA

<http://mvn.edu.in/academics/school-of-pharmaceutical-sciences/faculty/>

Job Profile: Teaching and Conducting Experimental Lab at Undergraduate Level

3. Erasmus Mundus Doctoral Fellow

Period: Nov., 2014 to Oct., 2015

Laboratoire BAE, Université de Perpignan via Domitia, Battements S, 52 Avenue Paul
Alduy, 66860 Perpignan Cedex- FRANCE

Research Profile: Development of aptasensing platforms for detection of mycotoxin and antibiotic residue in milk, beer and wine samples (as a part of Doctoral Thesis)

4. Senior Research Fellow (ICAR funded project, New Delhi, India)

Period: June 2013 to Oct. 2014

Department of Chemistry, BITS, Pilani KK Birla Goa Campus, NH#17B, Bypass Road, Zuari
Nagar, Goa-403726, INDIA

<http://www.bits-pilani.ac.in/Goa>

Job Profile: Involved in Development of Biosensor for Antibiotic residual and Urea analysis in milk samples.

5. Assistant Professor

Period: Sep., 2012 to Jan., 2013

Siddhartha Institute of Pharmacy, Dehradun, HP, India.

Department of Pharmaceutical Chemistry, Sahastradhara Road, Near IT Park, Deharadun-
248001 (Uttarakhand), INDIA

<http://www.siddharthapharmacy.com>

Job Profile: Teaching and Conducting Experimental Lab at Undergraduate Level

6. Assistant Professor

Period: Jan, 2012 to Sep., 2012.

Department of Pharmaceutical Chemistry, Shree Ram College of Pharmacy, Indri Road, Ramba

(District Karnal) Haryana, INDIA

<http://www.srpcollege.com>

Job Profile: Involved in Teaching and Conducting Experimental Lab at Undergraduate Level

Computer and Software skill

Well conversant with MECSim, Origin 8.6, Sigma Plot 11, ChemDraw Ultra 8.0, Chemdraw 3D Ultra 8.0, Microsoft office (MS-word, MS-excel, MS-power point).

Fellowships and Achievements

1. **Co-instructor in BRNS-AEACI Twelfth School on Analytical Chemistry-2016 (SAC-12)** organized by BRNS and BITS Pilani-K K Birla Goa Campus, 15-22 November, 2016.
2. **Meritorious position (4th Rank)** in the poster presentation in Symposium on Recent Advancements in Chemical Sciences and RSC Research Scholar Meet 2016 organized on 13th November at BITS, Pilani-KK Birla Goa Campus, INDIA
3. **First Prize** in Poster Competition in INDO-UK International Workshop on Advanced Materials and Their Applications in Nanotechnology (**AMAN 2016**).
4. **Awarded a Travel grant** to attend the 11th Workshop on Biosensors and Bioanalytical Microtechniques in Environmental and Clinical Analysis (BBMEC-11) (26-30th September, 2015, University of Regensburg, Germany).
5. **Awarded Erasmus Mundus Doctoral Fellowship for One year research (2014-15).**
6. Senior Research Fellowship, **NFBSFARA-ICAR Project (2014)**, New Delhi, INDIA.
7. Senior Research Fellowship, **NAIP Project (2013)**, ICAR, New Delhi, INDIA).
8. **Awarded** Graduate Aptitude Test for Engineering (**GATE-2009**) fellowship.
9. **Qualified** Graduate Pharmacy Aptitude Test (**GPAT-2011**).
10. **First Prize** in Poster Competition in National seminar on Pharmaceutical opportunities and challenges of the new decade, 26th Annual Conference of IPGA, April 2011

Co-curricular activities

- Attended and participated in the Fourth International Conference on Advanced Oxidation Processes (**AOP-2016**) organized by BITS, Pilani- K.K. Birla Goa Camps in association with Society of Environmental Chemistry and Allied Sciences (SECAS), INDIA, from **17-20th December, 2016**.
- Actively Participated in Symposium on Recent Advancements in Chemical Sciences and **RSC Research Scholar Meet 2016**, Goa, India organized by BITS Pilani- K K Birla Goa Campus, INDIA, 13th November, 2016.
- Actively Participated in International Conference on Emerging Technologies: Micro to Nano 2013 (**ETMN 2013**), organized by BITS Pilani- K K Birla Goa Campus, INDIA, 23-24th February, 2013.
- Actively Participated in workshop on Intellectual Property and Innovation Management in Knowledge Economy, organized by national Research Development Corporation, New Delhi and Goa University, December, 2013 INDIA.
- Actively participated in **International Workshop on Pharmacovigilance** organized by Empower School of Health, New Delhi in 2011.
- Attended annual conference of **IPGA** in 2011.

Certifications

- Life time membership of Indian Pharmacy Graduate Association (**IPGA**) (**LM-4531**).
- Certification in French Language- Basic course (A Grade)
- Life time membership of Association of Environmental Analytical Chemistry of India (**AEACI**) (**LM-409**).

Personal Information

Name : Atul Sharma
Date of Birth : 27 April, 1987
Marital Status : Unmarried
Language Known : English, Hindi, French (Lerner)

References

1. Prof. Jean Louis MARTY

Laboratoire BAE

Université de Perpignan Via Domitia

Bâtiment S, 52 Avenue Paul Alduy

66860 Perpignan Cedex – France

Ph: +33 (0) 4 68 66 22 54, Fax: +33 (0) 4 68 66 22 23

Email: jlmarty@univ-perp.fr

2. Prof. Sunil Bhand

Dean, Sponsored Research and Consulting Division

Biosensor Lab, Department of Chemistry

BITS, Pilani K.K. Birla Goa Campus, Goa, India

Email: sgbhand@gmail.com, sunilbhand@goa.bits-pilani.ac.in

Ph: +91 988128167, +91 832 2580332

Declaration

➤ I hereby declare that above given information is true to the best of my knowledge.

ATUL SHARMA