

Sakshi Bajaj

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Objectives

To be part of a challenging team and prove with best of more than **8 years'** Experience, abilities and skills wherein I can refine and project my skills to contribute to the growth of the organization, with the best of my ability and creativity.

Job:

- Currently working as a Lecturer in Department of Pharmacognosy in **DIPSAR**, Delhi Institute of Pharmaceutical Research and Sciences, **University of Delhi**, Government of India, since Dec 2010.
- In past work as Assistant Professor in Department of Pharmacognosy in Sunderdeep College of Pharmacy, Ghaziabad, India from Jul 2009 till Dec 2010.

Publications:

Published Paper

1. Bajaj Sakshi, Wakode Sharad, Standarization of *Artabortrys hexapetalus*, International Journal of Pharmacognosy and Phytochemical Research (IJPPR) 2016; 8(3): 398-406.
Indexed in: Scopus, Impact factor: 1.846, ISSN No: 0975-4873.
2. Sakshi Bajaj and Sharad Wakode, Pharmacognostical evaluation and anthelmintic activity of *Swertia alata Royle*, International Journal of Pharmaceutical Sciences and Research (IJPSR) 2017; 8(8): 3315-3324.
Indexed in Thomson Reuter, Impact factor: 1.11, ISSN No.: 0975-8232.
3. Bajaj Sakshi and Wakode S, Effect of extraction solvent on total phenol content, total flavonoid content, antioxidant and anti-inflammatory activity of *Artabortrys hexapetalus*, International journal of biology, pharmacy and allied Sciences (IJBPAS), 2017, 6(8):1562-1577.
Indexed in: Thomson Reuter, Impact factor: 1.022, ISSN No.: 2277-4998.
4. Sakshi Bajaj, Sharad Wakode, Evaluation of total phenolic, flavonoid, *In-vitro* antioxidant potential and anti-inflammatory activity of successive extracts of *Swertia alata*. Bulletin of environment pharmacology (BEPLS), 2017, 6(9), 73-81.
Indexed in: Thomson Reuter, Impact factor: 0.9804, ISSN No.: 2277-1808.
5. S Kumar, S Bajaj, RB Bodla, Practical screening methods in cancer, Indian Journal of Pharmacology (IJP), 48(5), 481.
Indexed in: Pubmed, Impact factor: 0.691, ISSN No.:
6. Sakshi Bajaj, Sharad Wakode and Washim Khan, HPTLC analysis and antiproliferative effect of various extracts of *Swertia alata* on growth of *Leishmania donovani* Promastigotes *In-vitro*. Pharmacognosy Journal (PJ), 2017; 9(6)suppl: s107-s116.
Indexed in: Scopus, Impact factor: 0.28, ISSN No.: 0975-3575

Accepted paper

7. Sakshi Bajaj, Sharad Wakode, Washim Khan, Sachin Kumar, Satish Manchanda, Simultaneous HPTLC analysis and *In-vitro* antileishmanic activity of various secondary metabolites present in extract of the traditional medicinal herb *Artabortrys hexapetalus*. Pharmacognosy Research, Manuscript No.: pr_91_17.
Indexed in: Pubmed and Thomson Reuter, Impact Factor: 0.84, ISSN No.:0974-8490

Article in Review

8. Sakshi Bajaj, Sharad Wakode, Neeraj Fuloria, Shivkanya Fuloria, Chromatographic Isolation and spectroscopic characterization of phytoconstituents from *Swertia alata*.
9. Sakshi Bajaj, Vijender singh, Mohammed ali, Triterpenic glycosides from *Swertia chirata*.

Projects Handled:

“Phytochemical and biological investigations on aerial parts of *Swertia chirata* and chemical characterization of volatile constituents of leaves of *Cymbopogon flexuosus*”.

Under this project extraction was done by hot extraction method(Soxhlet apparatus) using different solvents ,isolation was done with column chromatography followed by characterization using different spectroscopic techniques and volatile oil leaves was extracted out by clavenger apparatus followed by characterization with GC/MS technique. In vivo anti-inflammatory activity was studied.

Identification, Isolation, characterization and biological evaluation of some herbal drugs.

Under this project Standardization of drugs as per WHO guidelines was done .extraction was done by hot extraction method(Soxhlet apparatus) using different solvents ,isolation was done with column chromatography followed by characterization using different spectroscopic techniques and volatile oil leaves was extracted out by clavenger apparatus followed by characterization with GC/MS technique. Ex-vivo antileishmanic and In-vitro anti-inflammatory activity, antidiabetic, antioxidant, anthelmintic were studied.

EXPERIENCE SUMMARY:

EDUCATIONAL QUALIFICATIONS:

Degree	Institute(University/Board)	Year	Marks
Ph.D.	Delhi Institute of Pharmaceutical Research & Science, New Delhi University of Delhi, New Delhi, India	2011-2016	Thesis submitted
M.Pharm.	Ram Eesh Institute of Vocational and Technical Education, Greater Noida (UP) Affiliated To Uttar Pradesh Technical University, Lucknow (U.P.)	2006-2008	76.72%
B. Pharm.	Ram Eesh Institute of Vocational and Technical Education, Greater Noida (UP) Affiliated To Uttar Pradesh Technical University, Lucknow (U.P.)	2003-2006	73%
D. Pharm.	Maharaja Surajmal Institute of Pharmacy, Janakpuri, Delhi, Affiliated to Board of Technical Education, Delhi	2001-2003	68%

ADDITIONAL CERTIFICATIONS/FELLOWSHIP:

Professional Diploma in Clinical Research in 2005 from catalyst Clinical Services Private Limited, Delhi
Qualified Graduate Aptitude Test of engineering (**GATE**) conducted by Indian Institute of Technology (IIT), Kharagpur & received **scholarship** from Ministry of Human Resource Development (MHRD) of India.

TECHNICAL SKILLS

Basic Knowledge of the fundamental and experimental application of:

- Spectroscopic Techniques:** UV, HPTLC, IR
- Techniques:** Column chromatography, TLC, Paper chromatography, Supercritical fluid extraction
- Technical skills:** Extraction and isolation of Phytoconstituents from Herbal crude drugs.
- MS Office Tools:** Word, Excel, Power point
- Software:** Graph Pad Prism, Chem Sketch, Chem Draw

SEMINARS AND WORKSHOPS

- 1) Attended **INDIAN PHARMACEUTICAL CONGRESS**, held at IARI Campus, Delhi in Dec 21-23, 2001.
- 2) Participated as volunteer in Pulse polio Eradicating Programme organized by Ministry of health, Govt. of Delhi during 2001-02.
- 3) Attended Conference on **‘Role of Pharmacist in Clinical Research and Pharmaceutical Innovations’** at FICCI Auditorium, New Delhi on 1st October 2005.

- 4) Attended **Indian Pharmaceutical Congress**, held at Varanasi (U.P) during 20th-23rd Dec. 2007.
- 5) National Seminar on “**Recent Advance in Reproductive and Child Health: A Confluence of traditional Medicine and Novel Pharmaceutical Technique**” at Jamia Hamdard University New Delhi on April 17-18, 2009.
- 6) Attended National seminar on ‘**Drug Regulation in India-Current Scenario**’ at IIMT Greater Noida (U.P), 21st November 2009.
- 7) Attended National conference on ‘**Innovations in Pharmaceutical Sciences**’ held at Shree Ganpati Institute of Technology, Ghaziabad (U.P) on 20-22nd Aug., 2010.
- 8) Attended National seminar on ‘**Microwave Synthesis**’ at DIPSAR, New Delhi on 16th December, 2010.
- 9) Participated in AICTE sponsored XVI QIP on ‘**Challenges in Pharmaceutical Sciences**’, held at DIPSAR, New Delhi during 21st Nov.- 2 Dec., 2011.
- 10) Attended a National conference on ‘**Curing the Incurable: Sharing of Innovations**’ held at Vigyan Bhawan, New Delhi organized by ASSOCHAM, India in collaboration with DST, Ministry of Science and Technology, Govt. of India on 16th Jan., 2013.
- 11) Attended **Indian pharmaceutical congress**, held in Amity International University, Noida (U.P) during 20-22th Dec., 2013.
- 12) Participated in AICTE sponsored XVIII QIP on ‘**Recent Trends in Pharmacology and Therapeutics**’ held at DIPSAR, New Delhi during 20th Feb – 05 Mar., 2015.
- 13) Attended Book release ceremony of ‘**Pharmacologists of India: Their contributions**’ held in DPSRU, New Delhi on 18th Nov., 2016.
- 14) Participated in AICTE sponsored XX QIP on ‘**Recent advances in Pharmaceutical Sciences**’, held at DIPSAR, New Delhi during 5th - 9th Dec. 2016.
- 15) Participated in AICTE sponsored XXI QIP on ‘**Current Scenario in Pharmaceutical Sciences**’ held at DIPSAR, New Delhi during 30th Jan – 10th Feb., 2017.
- 16) Attended one day National seminar on ‘**Current Regulation on herbal drugs and food supplements**’ held at Jamia Hamdard on 16th May, 2017.
- 17) Participated as delegate in Agilent Technologies sponsored one day workshop on ‘**GC-MS Metabolomics**’, held at School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi on 17th May, 2017.

POSTER PRESENTATION

- 1) Presented Poster in National conference on ‘**Recent advances in reproductive and child health: A confluence of Traditional medicine and Novel Pharmaceutical Techniques**’ held at Jamia Hamdard in collaboration with CCRUM, New Delhi on 17th -18th April, 2009.
- 2) Presented Poster in National conference on ‘**Innovations in Pharmaceutical Sciences**’ held at Shree Ganpati Institute of Technology, Ghaziabad (U.P) on 20-22nd Aug., 2010.
- 3) Presented Poster in National seminar on ‘**Current Regulation on herbal drugs and food supplements**’ held at Jamia Hamdard on 16th May, 2017.

TRAINING/INTERNSHIP

- One month training in **Dabur Research Foundation**.
- One month training in **Arbro Pharmaceuticals** in chemical and Instrumental division.
- 500 hrs Practical training as an apprentice pharmacist at Employee state insurance corporation (ESIC) Dispensary.

PERSONAL DETAILS

Date of Birth: 21 Sep 1984

Gender: Female

Nationality: Indian

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