

CURRICULUM VITAE

Dr.Vidushi Khajuria
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DOB: 03-03-1989
Nationality:Indian
Sex: Female

OBJECTIVE:

A position where comprehensive analytical skills and problem solving abilities would be utilized. To be in the company of learned and intellectual people so that I am able to pursue my endeavours to be a better student of science. Since I have worked in the field of inflammation, I want to extend the horizon of my knowledge by working in pharmacology set up contributing directly to mankind.

ACADEMIC QUALIFICATION:

Examination passed	Affiliated to Board/University	%age secured	Year Of Passing
Research Associate	IISER,Mohali,India	Currently Working	
PhD. Biochemistry	IIIM(CSIR) Jammu, Academy of Scientific & Innovative Research, India	Awarded in March 2019	
M.Sc. Biochemistry	University of Jammu	72.8%	2011
B.Sc. Medical with Biotechnology	University of Jammu	72.85%	2009
Higher Secondary School Examination (12 th)	J&K Board of School Education	72.17%	2006
High School Examination (Matriculation)	J&K Board of School Education	85.8%	2004

ACHIEVEMENTS:

- Awarded **DST INSPIRE** (Department of Science and Technology, India) – Senior Research Fellowship (2014 – 2017).
- Awarded **DST INSPIRE** (Department of Science and Technology, India) – Junior Research Fellowship (2012 – 2014).
- Recipient of **Gold Medal** at Master's level, University topper in **Biochemistry** in 2012 at University of Jammu, Jammu, India.

EXPERIENCE:

- Ph.D. in Inflammation Pharmacology Division IIIM(CSIR) Jammu (J&K) India.
- Worked as a lecturer from August 2011 to June 2012 in J.K. Public Higher Secondary School Udhampur (J&K, India).

Research and scientific skills:

In-vitro:

- Human pBMCs isolation and handling.
- Good experience in mammalian cell culture techniques.

In-vivo:

- Handling and experimental exposure to various animals such as Balb/c mice, Albino mice and rats, Wistar rats.
- Expertise in dosing of animals in all routes oral, intra peritoneal, intra venous and isolation of various organs from mice such as lung, kidney, heart, brain etc.
- Experience in determination of skin allograft rejection time in Balb/c mice.

Molecular Biology:

- DNA and RNA isolation, Primer designing, cDNA synthesis, PCR amplification and Real Time PCR.
- Western blotting (immunoblotting).

Microscopy:

- Fluorescence, Confocal.
- DAPI, HE Staining.

Flow cytometry:

- Good experience of acquisition and interpretation of data for Cytokine Assay.
- *On hand training on HPLC (High Performance Liquid Chromatography).*
- *Pure compound isolation from plant material*

Animal surgery

- Expertise in ovariectomy, ileum loop experiments, isolation of BMDCs.

PERSONAL SKILLS:

- Effective Communication skills.
- Highly motivated to work as a team and Leadership quality.
- Adjustable to any environment.
- Decisive and ready to take challenges.
- Sincere and fully dedicated towards my work.

RESEARCH PROJECTS:

As part of M.Sc. Biochemistry: Production, purification and characterization of alkalistable, thermostable and heavy metal resistant protease from *Bacillus cereus*.

Thesis Title: Investigation of the anti-inflammatory potential of *Colebrookea oppositifolia* by using *in-vitro* and *in-vivo* models.

Postdoc Project: Investigating the role of Immunological Parameters in Postmenopausal osteoporotic mice.

PUBLICATIONS:

- **Vidushi Khajuria**, Neha Sharma, Shilpa Gupta, Chetan Kumar, Anjana Sharma, Nazir Ahmed Lone, Satya Paul, Siya Ram Meena, Zabeer Ahmed, Naresh Kumar Satti, Mahendra Kumar Verma. Dereplication based strategy for rapid identification and isolation of a novel anti-inflammatory flavonoid by LCMS/MS from *Colebrookea oppositifolia* ACS- Omega 10.1021/acsomega.1c01837.
- **Vidushi Khajuria**, Shilpa Gupta, Neha Sharma, Harshita Tiwari, Subhash Bhardwaj, Prabhu Dutt, Naresh Satti, Amit Nargotra, Asha Bhagat, Zabeer Ahmed. Kaempferol-3-o- β -D-Glucuronate exhibit potential anti-inflammatory effect in LPS stimulated RAW 264.7 cells and mice model. *International Immunopharmacology*, 57 (2018) 62–71.
- **Vidushi Khajuria**, Shilpa Gupta, Asha Bhagat, Zabeer Ahmed. *In-vitro* assessment of Cytotoxicity, Antioxidant and Anti-inflammatory activities of *Ficus palmate*. *Journal of Herbal Medicine*, [10.1016/j.hermed.2017.12.001].
- **Vidushi Khajuria**, Shilpa Gupta, Neha Sharma, Ashok Kumar, Nazir A. Lone, Mowkshi Khullar, Prabhu Dutt, Parduman Raj Sharma, Asha Bhagat, Zabeer Ahmed. Anti-inflammatory potential of hentriacontane in LPS stimulated RAW 264.7 cells and mice model. *Biomedicine & Pharmacotherapy* 92 (2017) 175–186 .
- **Vidushi Khajuria**, Kanika Sharma, Priti Slathia, Kanika Razdan, Satbir Singh and Bijender K. Bajaj. Production of a detergent-compatible alkaline protease from *Bacillus cereus* K-3. *Journal of Materials and Environmental Science* 6 (8) (2015) 2089-2096.
- Shilpa Gupta, Aitizaz Ul Ahsan, Abubakar Wani, **Vidushi Khajuria**, Lone A. Nazir, Simmi Sharma, Asha Bhagat, Parduman Raj Sharma, Subhash Bhardwaj, Kaiser J. Peerzada, Bhahwal Ali Shah, Zabeer Ahmed. The amino analogue of β -Boswellic Acid efficiently attenuates the release of pro-inflammatory mediators than its parent molecule through the suppression of NF- κ B/I κ B α signaling axis. *International Immunopharmacology* [10.1016/j.cyto.2017.12.004].
- Shilpa Gupta, **Vidushi Khajuria**, Abu bakar Wani, Yedukondalu Nalli, Asha Bhagat, Asif Ali, Zabeer Ahmed. Murayanine Attenuates Lipo polysaccharide-induced Inflammation and Protects Mice from Sepsis-Associated Organ Failure. *Basic & Clinical Pharmacology & Toxicology* 2019, 24(4):351-359.
- Yedukondalu Nalli, **Vidushi Khajuria**, Shilpa Gupta, Palak Arora, Syed Riyaz-Ul-Hassan, Zabeer Ahmed and Asif Ali. Four new carbazole alkaloids from *Murraya koenigii* that display anti-inflammatory and anti-microbial activities. *Organic & Biomolecular Chemistry* [DOI: 10.1039/c6ob00267f].
- Simmi Sharma*, Shilpa Gupta*, **Vidushi Khajuria**, Asha Bhagat, Zabeer Ahmed, Bhahwal Ali Shah. Analogues of Boswellic acids as inhibitors of pro-inflammatory cytokines TNF- α and IL-6.

Bioorganic & Medicinal Chemistry Letters [DOI:10.1016/j.bmcl.2015.11.035].

- Yedukondalu Nalli, Shilpa Gupta, **Vidushi Khajuria**, Varun P. Singh, Mehak Sajgotra, Zabeer Ahmed, Narsinh L. Thakur, Asif Ali. TNF- α and IL-6 inhibitory effects of cyclic dipeptides isolated from marine bacteria *Streptomyces sp.* *Medicinal Chemistry Research*[DOI :10.1007/s00044-016-1730-8].

CONFERENCES:

- Presented poster entitled, “**Hentriacontane suppresses LPS induced inflammation in RAW 264.7 cells and mice model**” at International Conference on “Trends in Biochemical and Biomedical Research:Advances and challenges” organized by Department of Biochemistry, Banaras Hindu University from 13-15 February,2018.
- Presented poster entitled, “**Investigations into the Anti-inflammatory potential of Hentriacontane in LPS stimulated RAW 264.7 cells and mice model**” in 4th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET) held at Sri Mata Vaishno Devi University(SMVDU), Katra(J&K) on 3-4 November,2017.
- Presented poster entitled, “**Analogues of Boswellic acids as inhibitors of pro-inflammatory cytokines TNF- α and IL-6**” in 3rd International Conference on Biotechnology and Bioinformatics (ICBB-2016) held in Pune in February 2016.
- Participated in Indo-US Symposium on Botanical Drug Development organized by CSIR-IIIM, Jammu; Medanta The Medicity, Gurgaon, Haryana and National Center for Natural Product Research, University of Mississippi, USA on 13-14 December, 2013.
- Participated in 101st Indian Science Congress, held in University of Jammu in February, 2014.

PERSONAL DETAILS:

Marital Status : Married

Permanent Address: House No.-497, Basdevpura,Pinjore 134102.

Laboratory Address: Inflammation Pharmacology Division, IIIM, Canal road, Jammu, India-180001.

Hobbies: Reading, Singing, Photography, Listening to music, Internet surfing and social networking.

REFERENCES:

- Dr. Zabeer Ahmed, Senior Principal Scientist, Inflammation Pharmacology Division, IIIM Jammu(J&K), India.(Ph.D. Supervisor)
email: zahmed@iiim.res.in
Contact: 9419131972
- Dr.Fayaz Malik, Senior Principal Scientist, Cancer Pharmacology Division, IIIM Jammu (J&K)
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- Dr.B.K.Bajaj, School of Biotechnolnogy, University of Jammu, Jammu.email:
bajajbijenderk@gmail.com Contact:9419102201

Declaration:

I hereby declare that all the details furnished above are true to the best of my knowledge.

Date: March 27, 2022

Vidushi Khajuria

Place: Panchkula,India