

SHRUTI GUPTA

Email: sg236912gmail.com

Phone: 09459224136

Address: Gupta Cottage, Lower Kaithu, Shimla, Himachal Pradesh, 171003

WORK EXPERIENCE

St. Bede's College, Shimla

August 2016 — Present

Assistant Professor

QUALIFICATIONS

M. Phil in Biotechnology

Qualified CSIR-NET 2016

Qualified HP-SLET 2016

Qualified ICAR-NET 2015

Qualified GATE 2015

EDUCATION

Ph. D. in Biotechnology
Himachal Pradesh University

2017-2021(Thesis submitted;
final viva awaited)

M. Phil in Biotechnology
Himachal Pradesh University

2014-2016

Master's in Biotechnology
Shoolini Institute of Life Sciences and Business Management

2012-2014

Graduation in Biotechnology
St. Bede's College, Shimla

2009-2012

PUBLICATIONS

Gupta Shruti & Kanwar Shamsher Singh (2022): Molecular characterization and insilico analysis of oxalate decarboxylase of *Pseudomonas* sp. OXDC12, *Journal of Biomolecular Structure and Dynamics*, DOI: 10.1080/07391102.2021.2024882

Gupta Shruti, Kanwar S. Shamsher, "Optimization of Growth Conditions for Oxalate Decarboxylase Production from *Pseudomonas* sp. OXDC12 and in vitro Inhibition of Calcium Oxalate Crystallization by Oxalate Decarboxylase", *Current Biotechnology* 2021; 10(2) . <https://doi.org/10.2174/2211550110666210726154149>.

Gupta S and Kanwar SS. Plant protease inhibitors and their antiviral activities -Potent therapeutics for SARS CoV-2y. *J Med Discov* (2021); 6(1): jmd20068; DOI:10.24262/jmd.6.1.20068.

Gupta Shruti, Kanwar Shamsher Singh (2020). The influence of dysbiosis on kidney stones that risk up renal cell

carcinoma (RCC). *Seminars in Cancer Biology*. <https://doi.org/10.1016/j.semcancer.2020.06.011>

Gupta Shruti, Kanwar Shamsher Singh (2020). Therapeutic Applications of Microbial Enzymes in the Management of Kidney Stone Diseases. In *Microbial Enzymes: Roles and Applications in Industries*, Microorganisms for Sustainability 11, Springer Nature Singapore Pte Ltd. https://doi.org/10.1007/978-981-15-1710-5_13.

A supplemental commentary on the published work entitled 'Influence of dysbiosis on kidney stones that risks up renal cell carcinoma (RCC)' authored by Ms. Shruti Gupta and Prof. Shamsher Singh Kanwar was published in the 'Beyond the Abstract' feature of UroToday.

Gupta S, Kanwar SS (2018) Phyto-molecules for Kidney Stones Treatment and Management. *Biochem Anal Biochem* 7: 362. doi: 10.4172/2161-1009.1000362.

Gupta S, Shamsher SK. Kidney stones: Mechanism of formation, pathogenesis and possible treatments. *J Biomol Biochem* 2018;2(1):1-5.

Gupta Shruti, Singh Sukhdev, Kanwar Shamsher Singh (2017). Purification and characterization of an extracellular ribonuclease from a *Bacillus* sp. RNS3 (KX966412). *International Journal of Biological Macromolecules* 97 (2017) 440–446. <http://dx.doi.org/10.1016/j.ijbiomac.2017.01.055>.

Gupta Shruti, Singh Sukhdev, Kanwar Shamsher Singh (2016), An overview of ribonucleases and their therapeutic effects. *Insight Medicine*, 1: 1-11.

Kanwar, S. S., Mishra, P., Meena, K. R., Gupta, S., & Kumar, R. (2016). Ribonucleases and their applications. *J Adv Biotechnol Bioeng*, 4(1), 17-26.

RESEARCH SKILLS

Possesses sound technical skills in the field of enzymes and molecular biology research including PCR, enzymes isolation, purification and characterization, chromatographic techniques, agarose gel electrophoresis, polyacrylamide gel electrophoresis (PAGE), DNA and RNA isolation, high performance liquid chromatography (HPLC), immune-diagnostic techniques such as ELISA, in silico analysis of macromolecules such as structure prediction, homology modelling, docking analysis as well as basic animal cell culture techniques.

COMPUTER SKILLS

A good hand in computer-based programs such as Microsoft Word, Excel, Access, Power point, Outlook Express, Windows 8, Windows 10.

PROFILE

A highly motivated and enthusiastic individual with a very versatile nature. Can communicate effectively in the languages English and Hindi. Ability to work co-operatively with other disciplines. Lastly, a person with good personal boundaries and ability to maintain these.

REFERENCES

References available upon request.