

Dr. Shelly Sehgal
(shelleysehgal@gmail.com)

CURRENT POSITION

Central University of Jammu

Jammu and Kashmir, India
2017- Present

Assistant Professor
Centre for Molecular Biology

AREAS OF RESEARCH

Human Disease Biology, Virology and Cancer Biology

EDUCATION

School of Biotechnology, University of Jammu

Postdoctoral Fellow (UGC)

2015-17

SBT, University of Jammu

Ph.D Microbiology

2013

M.Sc Microbiology

2006

Guru Nanak Dev University

B.Sc Microbiology

Amritsar, Punjab, India

2004

GRANTS AND AWARDS

Postdoctoral Fellowship award

University Grants Commission, India

2015

Smt. Guman Devi Verma BEST WOMAN SCIENTIST award

ISMPP conference, Gujrat, India

2013

Qualified Eligibility Test for Lecturership

SET, University Grants Commission, India

2011

Gold medal in Post Graduation

University of Jammu

2006

Gold medal in Graduation
Guru Nanak Dev University

2004

RESEARCH EXPERIENCE

- | | |
|--|-------------------|
| 1. Research Project as PI | 02 |
| 2. Postdoctoral Fellow | 2015- 2017 |
| 3. Doctoral Fellow (Advisor- Prof. Manoj K. Dhar) | 2007- 2013 |
| 4. Post Graduate Researcher (Advisor- Dr. Sanjana Kaul) | 2006 |

Peer reviewed publications

Shivangi, Manish Kumar Mishra, Sachin Gupta, Konika Razdan, Shashi Sudan, Shelly Sehgal (2023), Clinical diagnosis of viral hepatitis: current status and future strategies, *Diagnostic Microbiology & Infectious Disease*, Preprint. (Impact factor: 2.9).

MK Mishra, S Gupta, Shivangi, M Sharma and S Sehgal (2023), The repertoire of mutational signatures in tobacco- and non-tobacco-induced oral cancer, *Clinical and Translational Oncology*, 2023. (Impact factor: 3.340).

Shivangi, Manish Kumar Mishra, Sachin Gupta, Konika Razdan, Shashi Sudan, Shelly Sehgal, *Advances in molecular virology and diagnostics of hepatitis C virus*, *Malaysian Journal of Biochemistry & Molecular Biology* 2022, (1), 68-76.

MK Mishra, S Gupta, Shivangi and S Sehgal (2022), Assessing long non-coding RNAs in tobacco-associated oral cancer, *Current Cancer Drug Targets* 2022; 22(). (Impact factor: 3.482)

Shivangi, K Razdan, S Sudan, M Mishra and S Sehgal (2022) Quantitative real-time PCR for the analysis of viral load among Hepatitis C Virus positive patients attending the medical Out Patient Department at a north Indian tertiary care centre, *Research Journal of Biotechnology*, 17(7):139-148. (Impact Factor: 0.3).

Shivangi, R Raina, M Mishra and S Sehgal (2021) “Bioethanol Production from Locally Growing Algal Biomass: A Promising and Cost-effective Approach”, *Journal of Pharmaceutical Research International*, 33(45A), pp. 1-9. (Impact factor: 0.06) doi: 10.9734/jpri/2021/v33i45A32707.

M Sharma, S Sehgal, S Sudan, K Razdan, B Pandita, M Sharma (2017), Epidemiology and Genotypes of Hepatitis C Virus: A First Study from Jammu (J&K), India, *Journal of Gastrointestinal Infections*, 7(1): 9-14. (Impact factor:3.375)

S Sehgal, S Gupta, S Kaul, MK Dhar (2017), EORTC QLQ-OES 18 module strategy for assessment of quality of life in esophageal cancer patients, Journal of Biomedical and Pharmaceutical Sciences, 12(1):62-67. (Impact Factor: 0.45)

S Sehgal (2017), Genetic diversity among clinical isolates of Helicobacter pylori detected from India, International Journal of Medical Research Professionals, 3:155. (Impact Factor: 2.365)

S Gupta, S Sehgal (2016), Review of parameters used to assess hearing improvement in tympanoplasty, Journal of Dental and Medical Sciences, 15(2):122-128. (Impact Factor: 0.05)

S Gupta, S Sehgal (2016), Ossiculoplasty: hearing results with autologous incus, Otolaryngology clinics, 23:12. (Impact Factor:)

S Sehgal, S Kaul, MK Dhar (2015), Mechanism of gene amplification via yeast autonomously replicating sequences, Scientific World Journal, 12:387367.

S Sehgal (2013), Integration of bioinformatics and genomics approach unveils novel aspects of Saccharomyces cerevisiae Ste20 Kinases, Journal of Mycology and Plant pathology, 43(1):44-50. (NAAS score)

S Sehgal, S Kaul, BB Gupta, MK Dhar (2012), Risk factors and survival analysis of the esophageal cancer in the population of Jammu, India, Indian Journal of Cancer, 49(2):245-250. (Impact Factor: 1.397)

Dhar MK, Sehgal S, Kaul S (2012), Structure, replication efficiency and fragility of yeast ARS elements, Research in Microbiology, 163(4):243-253. (Impact Factor: 3.946)

Scientific conferences & workshops attended **37**

ABSTRACTS PUBLISHED **28**

CONFERENCE AWARDS **(3 Best Poster and 2 best oral presentations)**