

Jahanarah Khatoon

Academic Qualifications

Ph.D. (Microbiology): Topic entitled “**Role of Th17 related cytokines and A Disintegrin and Metalloproteases (ADAMS) gene expressions in pathogenesis of *Helicobacter pylori* infections**” under the supervision of Dr. K. N. Prasad, Dept. of Microbiology, SGPGIMS, Lucknow, India.

Research Area & Interests: Molecular and Cellular immunology, Microbiology of *Helicobacter pylori*.

Technical Expertise: Biochemistry and Molecular Biology: RNA, DNA and plasmid, extraction, PCR amplification, PCR-based RFLP, RAPD, RT-PCR, SSCP, PFGE, Protein purification, SDS PAGE, Western blotting, Southern blotting, as well as expertise in Real-time PCR. Isolation, identification and culture of various bacteria, Culture of *Helicobacter pylori*, and various media preparation etc.

Manuscripts Published / Accepted: Total eight international publications.

1. **Khatoon J**, Prasad K N, Rai R P , Ghoshal UC, Krishnani N. Expression levels of A disintegrin and metalloproteases (ADAMs), and Th17-related cytokines and their association with *Helicobacter pylori* infection in patients with gastroduodenal diseases.
2. **Khatoon J**, Prasad K N, Rai R P , Ghoshal UC, Krishnani N. Association of heterogeneity of *Helicobacter pylori* cag pathogenicity island with peptic ulcer diseases and gastric cancer. **British Journal of Biomedical Science. 2017**
3. Shukla SK, Prasad KN, Tripathi A, Jaiswal V, **Khatoon J**, Ghoshal UC, Krishnani N, Husain N. *Helicobacter pylori* cagL amino acid polymorphisms and its association with gastroduodenal diseases. **Gastric Cancer. 2013 Jul;16(3):435-9.**
4. Shukla SK, **Khatoon J**, Prasad KN, Rai RP, Singh AK, Kumar S, Ghoshal UC, Krishnani N. Transforming growth factor beta 1 (TGF- β 1) modulates Epstein-Barr virus reactivation in absence of *Helicobacter pylori* infection in patients with gastric cancer. **Cytokine. 2016 Jan; 77:176-9.**
5. **Khatoon J**, Rai RP, Prasad KN. Role of *Helicobacter pylori* in gastric cancer: Updates. *World J Gastrointest Oncol.* 2016 Feb 15;8(2):147-58.
6. Singh AK, Singh SK, Singh A, Gupta KK, **Khatoon J**, Prasad A, Rai RP, Gupta RK, Tripathi M, Husain N, Prasad KN. Immune response to *Taenia solium* cysticerci after anti-parasitic therapy. *Int J Parasitol.* 2015 Oct;45(12):749-59.
7. Singh K, Prasad KN, Mishra P, **Khatoon J**, Prasad N, Gupta A, Srivastava JK. Toll-like receptors TLR4 (Asp299Gly and Thr399Ile) and TLR2 (Arg677Trp and Arg753Gln) gene polymorphisms in end-stage renal disease patients on peritoneal dialysis. *Int Urol Nephrol.* 2015 Dec;47(12):2031-7
8. Umrao J, Singh D, Zia A, Saxena S, Sarsaiya S, Singh S, **Khatoon J**, Dhole TN. Prevalence and species spectrum of both pulmonary and extrapulmonary nontuberculous mycobacteria isolates at a tertiary care center. *Int J Mycobacteriol.* 2016 Sep;5(3):288-293.