

## PUBLICATIONS IN IMPACT FACTOR JOURNALS

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1. Hussain, Manzoor, Afeefa Chaudhry, and **Hamid Bashir**. "Enhance production of alkaline protease by chemical mutagenesis of *Bacillus* species." *BioCell* 43, no. 5 (2019).
2. Ramzan, Irsa, Afeefa Chaudhry, **Hamid Bashir**, Muhammad Bilal, and Aleena Sumrin. ". Comparative study of alpha amylase producing mutated and unmutated *Ba-cillus* strains by taking cost effective measures." *Pure and Applied Biology (PAB)* 8, no. 2 (2019): 1789-1800.
3. Usman, Sana, Zara Naz, Komal Saleem, **Hamid Bashir**, Muhammad Bilal, and Aleena Sumrin. "The countermeasure for Zika virus: a hard nut to be cracked." *Future Virology* 13, no. 5 (2018): 361-369.
4. Khan, Faidad, Mohsin Ahmad Khan, Nadeem Ahmed, Muhammad Islam Khan, **Hamid Bashir**, Saad Tahir, and Ahmad Usman Zafar. "Molecular Characterization of Pneumococcal Surface Protein A (PspA), Serotype Distribution and Antibiotic Susceptibility of *Streptococcus pneumoniae* Strains Isolated from Pakistan." *Infectious diseases and therapy* 7, no. 2 (2018): 277-289.
5. Naz, Zara, Sana Usman, Komal Saleem, Sara Ahmed, **Hamid Bashir**, Muhammad Bilal, and Aleena Sumrin. "Alpha-fetoprotein: A fabulous biomarker in hepatocellular, gastric and rectal cancer diagnosis." *Biomedical Research* 29, no. 12 (2018): 2478-2483.
6. Shahzadi Javeed, Maha Almas, Muhammad Shahid, Aleena Sumrin, **Hamid Bashir**, Muhammad Bilal, Zafar Saleem, Ghulam Zahra Jahangir, Samia Afzal, Muhammad Idrees, Iram Amin: *Review Nrf2: A MASTER REGULATOR OF CELLULAR DEFENSE MECHANISM AND A NOVEL THERAPEUTIC FACTOR*. *Pakistan Journal of Biotechnology* 01/2017; 14(1):121-126
7. **Bashir, Hamid**, Nadeem Ahmed, Mohsin Ahmad Khan, Ahmad Usman Zafar, Saad Tahir, Hina Kanwal, Faidad Khan, Zia ur Rahman, and Tayyab Husnain. "Evaluating the autoinduction expression system and one-step purification for high-level expression and purification of gallbladder-derived rhIL-1Ra." *Biotechnology and applied biochemistry* 64, no. 1 (2017): 20-26.
8. Ahmed, Nadeem, Rabbia Abbas, Mohsin Ahmad Khan, **Hamid Bashir**, Saad Tahir, and Ahmad Usman Zafar. "Enhancing recombinant interleukin-6 production yield by fermentation optimization, two-step denaturing, and one-step purification." *Biotechnology and applied biochemistry* 65, no. 3 (2018): 490-496.
9. Khan, Khushbukhat, Muhammad Adeel Aslam, Fatima Tuz Zahra, **Hamid Bashir**, Muhammad Bilal, and Aleena Sumrin. "Potential biomarkers for the diagnosis of respiratory tract infection and lungs cancer." *Cell Mol Biol (Noisy le Grand)* 63, no. 11 (2017).
10. Wahid, Braira, **Hamid Bashir**, Muhammad Bilal, Khansa Wahid, and Aleena Sumrin. "Developing a deeper insight into reproductive biomarkers." *Clinical and experimental reproductive medicine* 44, no. 4 (2017): 159-170.
11. Shumaila Moazzam , IrsaRamzan , ZunairaBatoool ,Aleena Ahmad Khan ,Sana Kaleem,**Hamid Bashir**<sup>1</sup>, Muhammad Bilal<sup>1</sup>, Aleena Sumrin<sup>1\*</sup>(2017).Exosomes as Biomarker of Cancer .Brazilian archives of Biology and Technology Accepted
12. Javed Z, Ullah M, Ashfaq MA, Shah AH, Shahzad M, Bilal M, Sumrin A, **Bashir H**, Siddiqi MH, Sadia H (2016). Role of MicroRNA in Endometrial Carcinoma.*Adv. Life Sci.* 4(1): 08-13
13. Bashir, Hamid, Nadeem Ahmed, Mohsin Ahmad Khan, Ahmad Usman Zafar, Saad Tahir, Muhammad Islam Khan, Faidad Khan, and Tayyab Husnain. "Simple procedure applying lactose induction and one-step purification for high-yield production of rhCIFN." *Biotechnology and applied biochemistry* 63, no. 5 (2016): 708-714..
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15. Wardah Safdar, Maria Aftab, Beenish Saddique, Irsa Akhtar, **Hamid Bashir**, Muhammad Bilal, Aleena Sumrin\*, Methodological development of cytokine as a biomarker. *International Journal of Biosciences*, (2016) Vol. 9, No. 6, p. 55-65

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17. Ahmed, Nadeem, Ahmad Usman Zafar, Mohsin Ahmad Khan, Saad Tahir, Muhammad Islam Khan, **Hamid Bashir**, Faidad Khan, Samreen Sarwar, Sadaf Ilyas, and Tayyab Husnain. "Matrix-assisted refolding and purification of placenta-derived recombinant human interleukin-6 produced in *Escherichia coli*." *Biotechnology and applied biochemistry* 61, no. 5 (2014): 541-548.
18. Hussain, Manzoor, Afeefa Chaudhry, and **Hamid Bashir**. "Enhance production of alkaline protease by chemical mutagenesis of *Bacillus* species." *BioCell* 43, no. 5 (2019).
19. Unzila Yasin, Muhammad Bilal, **Hamid Bashir**, Muhammad Imran Amirzada, Aleena Sumrin and Dr Muhammad Hassham Hassan Bin Asad."Preparation and Nanoencapsulation of Lectin from *Lepidium sativum* on Chitosan-Tripoly Phosphate Nanoparticle and their Cytotoxicity against Hepatocellular Carcinoma Cells (HepG2)" (2020). BioMed Research International accepted