

***APPENDIX***

[Appendix I]

**List of Publications and Conferences**

**Publications**

**From Ph.D. Thesis**

1. **Shahid Khan**, Praneeta Pravastu, Prabhat Nath Jha and Sandhya Amol Marathe. Elucidating the pathogenic potential of *Enterobacter cloacae* SBP-8 using *Caenorhabditis elegans* 2020 Nov 1;148:104449.
2. **Shahid Khan**, Aarti Nirwan, Prabhat Nath Jha and Sandhya Amol Marathe. " Pathogenic analysis and systemic dissemination of *Enterobacter cloacae* SBP-8 in murine model system. Virulence 2020. (under submission ).
3. **Shahid Khan**, Prabhat Nath Jha and Sandhya Amol Marathe." Differential role of T6SS of *Enterobacter cloacae* SBP-8 in bacterial competition and virulence in eukaryotic host"(under Preparation).

**Other Publications**

**List of Publications**

RP Singh, Ashish Runthala, **Shahid Khan**, . Quantitative proteomics analysis reveals the tolerance of wheat to salt stress in response to *Enterobacter cloacae* SBP-8. PLoS one. 2017 Sep 6;12(9):e0183513.

Rapalli, Vamshi Krishna, Saswata Banerjee, **Shahid Khan**, Prabhat Nath Jha, Gaurav Gupta, Kamal Dua, Md Saquib Hasnain, Amit Kumar Nayak, Sunil Kumar Dubey, and Gautam Singhvi. "QbD-driven formulation development and evaluation of topical hydrogel containing ketoconazole loaded cubosomes." *Materials Science and Engineering: C* 119 (2020): 111548.

Patel OP, Dhiman S, **Shahid Khan**, Shinde VN, Jaspal S, Srivathsa MR, Jha PN, Kumar A. A straightforward TBHP-mediated synthesis of 2-amidobenzoic acids from 2-arylindoles and their antimicrobial activity. *Organic & biomolecular chemistry*. 2019;17(24):5962-70.

- Reddy PV, Hridhay M, Nikhil K, **Shahid khan**, , Shah K, Kumar D. Synthesis and investigations into the anticancer and antibacterial activity studies of  $\beta$ -carboline chalcones and their bromide salts. *Bioorganic & medicinal chemistry letters*. 2018 May 1;28(8):1278-82.
5. Ayush Owhal, Ajay Pingale, **Shahid khan**, Sachin Belgamwar, Prabhat Nath Jha, Jitendra Rathore. Electro-codeposited  $\gamma$ -Zn-Ni/Gr composite coatings: Effect of graphene concentrations in the electrolyte bath on tribo-mechanical, anti-corrosion and anti-bacterial properties. *Transactions of the IMF*. 2021 Nov 2;99(6):324-31.
  6. Ayush Owhal, Ajay Pingale, **Shahid khan**, Sachin Belgamwar, Prabhat Nath Jha Jha, Jitendra Rathore. Facile and Scalable Co-deposition of Anti-bacterial Zn-GNS Nanocomposite Coatings for Hospital Facilities: Tribo-Mechanical and Anti-corrosion Properties. *JOM*. 2021 Dec;73(12):4270-8.

### **Conferences**

1. **Shahid khan**, Sandhya Amol Marathe and Prabhat Nath Jha. *C. elegans* as a model host to elucidate the pathogenic potential on *E. cloacae* SBP-8. In: ASM microbes 2020, June 22-26, Chicago, USA.
2. **Shahid khan**, Sandhya Amol Marathe and Prabhat Nath Jha. In vitro and In vivo model systems for evaluating the pathogenic potential of PGPR strain *Enterobacter cloacae* SBP-8. In: International Conference on Life Science and its interface with Engineering and allied sciences held at BITS Pilani, Pilani during 1-3 Nov, 2018. Abstract book, p98.
3. **Shahid khan**, Rajnish Prakash Singh and Prabhat Nath Jha. Unveiling the potential of multifarious PGPR *Serratia marcescens* CDP-13 for enhanced salinity tolerance of wheat (*Triticum aestivum* L.). In In: 57th Annual Conference of AMI and International Symposium on "Microbes and Biosphere: What's New and What's Next" held on 24 - 27 November at Gauhati University at Gauhati University , Guwahati.
4. **Shahid khan**, Sandhya Amol Marathe and Prabhat Nath Jha. In vivo model systems for evaluating virulence of *Enterobacter cloacae* SBP-8. In: Regional young investigator meeting held at IIT Jodhpur, during 31 Nov-2 oct, 2019.