

Presentations and Publications

List of Poster Presentations:

1. **Swati Madhu** and Devarshi Gajjar, “Characterization and estimation of virulence factors of pathogenic *Fusarium* species causing keratitis” at IERG ARVO IC 2018 held by L.V. Prasad eye institute at Hyderabad on July 28-29, 2018
2. Annapurna P. Karthyayani, **Swati Madhu** and Devarshi Gajjar, “Comparative study of the virulence factors of clinical and non-clinical isolates of *Pseudomonas spp.*” at IERG ARVO-INDIA 2017 held by Aravind Medical Research Foundation, Madurai on July 29-30, 2017.
3. Devarshi Gajjar, Kartik kumar Jha, **Swati Madhu** and Abhishek kumar sagar, “Development of infectious keratitis model using explant of goat cornea” at ARVO-INDIA Indian Eye research group held at L.V. Prasad Eye Institute at Hyderabad on 30-31st July, 2016.
4. **Swati Madhu**, Siddhi desai and Devarshi Gajjar, “Quantification of virulence factors (mycotoxins) of pathogenic *Fusarium* species” at National symposium on exploring advances in biological sciences held at Sardar Patel University in Vallabh Vidhyanagar on 5th march, 2016.
5. **Swati Madhu**, Shivani Parasnis, Devender Sharma and Devarshi Gajjar, “Comprehensive studies on identification and determination of virulence factors of pathogenic *Fusarium species*” at 56th annual conference of Association of Microbiologist of India (AMI 2015) & International symposium on “Emerging discoveries in Microbiology” held at The Jawaharlal Nehru University, New Delhi on December 7-10, 2015.
6. Devarshi Urvish Gajjar, **Swati Nareshkumar Madhu**, Anshul Milap Bhatt, Sandeep Kumar Dantuslia, “Comparative studies and characterization of laccases and proteases from different *Aspergillus spp.*” at 56th annual conference of Association of Microbiologist of India (AMI 2015) & International symposium on “Emerging discoveries in Microbiology” held at The Jawaharlal Nehru University, New Delhi on December 7-10, 2015.

List of Oral Presentations:

1. **Swati Madhu**, Nikita Bhalerao and Devarshi Gajjar, “Deciphering the role of beta glucan from *Fusarium* species in keratomycosis” was presented at IERG ARVO-INDIA 2017 held by Aravind Medical Research Foundation, Madurai on July 29-30, 2017.
2. **Swati Madhu** and Devarshi Gajjar, “Quantification of beta glucan from pathogenic *Fusarium* species” at conclave 2017 held at The Maharaja sayajirao university of Baroda at Vadodara on 28th February, 2017.
3. **Swati Madhu** and Devarshi Gajjar, “Quantification of total naphthoquinone in pathogenic *Fusarium* spp.” Was presented at science excellence 2015 held at Department of Botany, University school of sciences, Gujarat University at Ahmedabad on 26th September, 2015.

List of Publications:

1. **Madhu, S. N.**, Jha, K. K., Karthyayani, A. P., & Gajjar, D. U. (2018). *Ex vivo* caprine model to study virulence factors in keratitis. *Journal of ophthalmic & vision research*, 13(4), 383-391.
2. **Madhu, S. N.**, Pal, A. K., & Gajjar, D. U. (2019). Extracellular Proteases from Keratitis Causing *Fusarium*, *Aspergillus* and Dematiaceous Species. *Tr Ophtha Open Acc J*, 2(2), 102-110.
3. **Madhu, S. N.**, Sharma, S. & Gajjar, D. U. (2020). Identification of Proteases: Carboxypeptidase and aminopeptidase as putative virulence factors of *Fusarium solani* species complex. *The Open Microbiology Journal*, 14, 266-277.