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**List of Publications**

*Patent/ Publication from the Thesis*

1. **Sarfuddin**, Jimut K. Ghosh, Praveen K Shukla, Nrinpendra N Mishra, Sandhya R Dungdung, Aprna Gomes, Syamal Roy, Prashanta Ghosh and Shamik Bhattacharya., Short Antimicrobial Peptides with High Therapeutic value and anti-leishmania activity (Under process)- *Patent*
2. **Sarfuddin Azmi**, Saurabh Srivastava, Jimut K. Ghosh., Characterization short of short, novel antimicrobial peptides designed on the basis of heptad repeat sequence with different hydrophobic amino acid at 'a' and 'd' positions (Manuscript Under preparation).
3. **Sarfuddin Azmi**, Jimut K. Ghosh., Studies on the effect of substitution of all heptadic leucine of melittin with a similar hydrophobic amino acid valine on its cytotoxicity and antimicrobial activity (Manuscript under preparation).
4. **Sarfuddin Azmi**, Jitendra K Tripathi [REDACTED] [REDACTED] Jimut K. Ghosh Introducing selectivity in bovine cathelicidin-BMAP-28 towards bacteria after minor reshuffling in its amino acid sequence (Under preparation).

*Publications from related work*

1. Aqeel Ahmad, **Sarfuddin Azmi**, Ghosh JK., Studies on the assembly of a leucine zipper antibacterial peptide and its analogs onto mammalian cells and bacteria. *Amino Acids*. 2011 Feb; 40(2):749-59. Epub 2010 Sep 21
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