

List of publications

1. **Patel D. K.**, Shah K. R., Pappachan A., Gupta S., Singh D. D. (2016) Cloning, expression and characterization of a mucin-binding GAPDH from *Lactobacillus acidophilus*. *Int J Biol Macromol*; 91: 338-46.
2. Shah KR, **Patel DK**, Pappachan A, Prabha CR, Singh DD. (2015) Characterization of a Kunitz-type serine protease inhibitor from *Solanum tuberosum* having lectin activity. *Int J Biol Macromol*; 83: 259-69.
3. Mansuri MS, Laddha NC, Dwivedi M, **Patel D**, Alex T, Singh M, Singh DD, Begum R. (2016) Genetic variations (Arg5Pro and Leu6Pro) modulate the structure and activity of GPX1 and genetic risk for vitiligo. *Exp Dermatol*; 25(8): 654-7.

List of posters presentation and conferences

1. Patel D., Pappachan A., Singh D.D. Biochemical and biophysical characterization of LaGAPDH, moonlighting adhesion protein from *Lactobacillus acidophilus*. 23rd Jerusalem School in Life Sciences on "Computational and Structural Biology", January 10-14, 2016, Israel Institute for Advanced Studies (IIAS), Givat Ram, The Hebrew University of Jerusalem, Israel.
2. Patel B, Patel D, Chauhan R, Singh D.D, Pappachan A. In-silico characterization of XPRT enzyme of *L. donovani* - a potential anti-leishmanial drug target. "A symposium on Mathematical and Computational Biology", March 21-22, 2015, (IIT-Gandhinagar) with support from National Network for Mathematical and Computational Biology (NNMCB).
3. Patel D., Pappachan A., and Singh D.D. "Expression, Purification and Structural Characterization of Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) from *Lactobacillus acidophilus*." International Symposium in Frontiers of Structural Biology - New Advances in X-Ray Diffraction and Cryo-EM, December 15-17, 2014, (Regional Center for Biotechnology, Indian National Science Academy, New Delhi).
4. Patel B., Patel D., Pappachan A. "A Bioinformatics and Biophysical Characterization of XPRT- A Potential Drug Target from *Leishmania donovani*." International Symposium in Frontiers of Structural Biology - New Advances in X-Ray Diffraction and Cryo-EM, December 15-17, 2014, (Regional Center for Biotechnology, Indian National Science Academy, New Delhi).
5. Kaushal RS, Mangukia N, Patel D, Pappachan A, Singh DD. Unraveling of a unique hypothetical protein having adhesin like property from *Leishmania donovani* spp. International Symposium in Frontiers of Structural Biology - New Advances in X-Ray Diffraction and Cryo-EM, December 15-17, 2014, (Regional Center for Biotechnology, Indian National Science Academy, New Delhi).

6. Patel D., Mangukia N., Singh D.D. "Gene ontology mapping bioinformatics analysis & compilation of unique tritryp proteome". International Conference on Biomolecules forms & functions, January 8-11, 2013, (Indian Institute of Science - IISc, Bangalore).

7. Patel B., Patel D., Chauhan R., Singh D.D. and Pappachan A. "Xanthine phosphorybosyl transferase (XPRT) – A potential anti-leishmanial drug target". International Conference on Biomolecules forms & functions, January 8-11, 2013, (Indian Institute of Science - IISc, Bangalore).