

Name: Dr. Manisha

Qualification: Ph.D (Biotechnology, Panjab University, 2015),
M.Sc. (Biotechnology, 2009),
B.Sc. (Biotechnology, 2007).

Date of Joining: May 2, 2016

Discipline: Biotechnology



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Current responsibility at CIAB: Exploration and engineering of enzymes for the conversion of biomass into value added products. [Worked as Research Associate under Dr. Sudesh Kumar (Scientist-F), from 02.05.16 to 01.05.2017].

Academic achievements/Awards/Fellowships:

- CSIR- NET (LS) June and December, 2009.
- Rajiv Gandhi National Fellowship, 2012.
- UGC-Basic Scientific Research Fellowship, 2013.
- SERB- National Post-Doctoral Fellowship (N-PDF), 2017 [Joined under Dr. Sudesh Kumar, (Scientist-F) on 2nd May-2017].
- Poster presentation on Cloning, expression and characterization of *Rv3167c* gene product from *M. tuberculosis* H37Rv, Manisha, Jagdeep Kaur, CHASCON 2015 (**Won Second prize**).
- Developing an efficient chemo-enzymatic hydrolytic process for the conversion of rice straw into simple sugars, **Manisha**, Anjali Purohit, Vishakha Jain, Sudesh K. Yadav, **BIOPROCESSING INDIA**, 2016. (**Won First Prize**).
- Simple sugars production by the transformation of lignocellulosic biomass using unique chemo-enzymatic hydrolysis method, **Manisha**, Sudesh K. Yadav, **IFIBIOP-2017, Wuxi, China**. (**Won Best Paper Award**).

Selected Publications (Reverse Chronological Order):

- *Bioresource Technology*, 2017, DOI: 10.1016/j.biortech.2017.08.034.

- *Bioresource Technology*, 2017, DOI: 10.1016/j.biortech.2017.05.066.
- *Microbial Pathogenesis*, 2017, 107, 361-367.
- *Future Microbiology*, 2017, 12(6), 527–546.
- *Protein and Peptide Letters*, 2014, 21(12):1265-72.
- *International Journal of TROPICAL DISEASE & Health*, 2014, 4(1): 1-17.
- *Journal of Pharmacy Research*, 2011, 4(11), 4225-4229.
- *International Journal of Food Properties*, 2011, 15:211–220.
- *Chascon*, 2010, Department of Biotechnology, Panjab University, Sector-14, Chandigarh.