

Name: Dr Sudesh Kumar



Qualification:

PhD Biochemistry (2002), CCS HAU, Hisar
MSc Biochemistry (1999), CCS HAU Hisar
BSc Zoology, Botany & Chemistry (1996), MDU Rohtak

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Tel No.: 0172-5221496

Date of Joining: 12 April, 2016

Designation: Scientist-F

Discipline: Biotechnology/Metabolic Engineering/Biosynthetic Technology

Previous Research Profile:

- 10 December, 2011- 11 April, 2016, Principal Scientist, CSIR-IHBT, Palampur
- 10 December, 2008- 9 December, 2011, Senior Scientist, CSIR-IHBT, Palampur
- 10 December, 2004- 9 December, 2008, Scientist, CSIR-IHBT, Palampur
- 1 August, 2002-9 December, 2004, Post-Doctoral Fellow, ICGEB, New Delhi
- 28 August, 2001-31 July, 2002, Research Associate, CCS HAU, Hisar

Current Responsibility at CIAB:

- To develop and implement biotechnology/metabolic engineering/biosynthetic technology centric inter-disciplinary research plans in translational needs of bioprocessing particular with respect to agri-food biomass for value added products.
- To serve as a lead contributor to 'think tank' for evolving overall institutional R&D plans, programs and strategies and also involves in implementing them along with caring, mentoring, hand-holding and advising younger faculty/researchers for catalysing improvement of their R&D plans.

Awards/ Honours/ Recognitions:

- INSA-Young Scientist Award-2008
- NASI-Platinum Jubilee Young Scientist Award-2009
- CSIR-Young Scientist Award-2010
- Haryana Yuva Vigyan Ratna Award 2011-12
- Prof Hira Lal Chakravarty Memorial Award 2012-13 by ISCA
- Fellow Associate of National Academy of Agricultural Sciences (NAAS)- 2013
- BOYSCAST Fellow, DST, GOI-2008

Guided PhD Thesis: 6

Publication: 115 **Book:** 01 **Book Chapter:** 11 **Patent:** 8

Citations: 6000 **h-index:** 38

Selected Publications:

- *Carbohydrate Polymer* 155:152-162, 2017
- *Int J Biol Macromol.* 104:748-757, 2017
- *Bioresour Technol* <http://dx.doi.org/10.1016/j.biortech.2017.05.066>, 2017
- *Int J Biol Macromol.* DOI: S0141-8130(17)31200-X, 2017
- *Nature Scientific Reports* 6:37244, 2016
- *Journal of Proteome Research* 15:1794-809, 2016
- *Journal of Experimental Botany* 66: 5959-5969, 2015
- *Journal of Experimental Botany* 66: 3907-3916, 2015
- *Plant Molecular Biology* 85: 551-573, 2014
- *Colloids Surf B Biointerfaces* 117: 505-511, 2014
- *BMC Genomics* 14: 647, 2013
- *Plant Molecular Biology* 76: 523-534, 2011
- *The Plant Journal* 62: 92-99, 2010
- *Plant Physiology* 140: 613-623, 2006