

CURRICULUM VITAE

Dr. Vikas Hooda

Centre for Biotechnology

M. D. University, Rohtak-124001

Academic Chronicle:

Ph.D. (Biotechnology)

Maharshi Dayanand University,
Rohtak-124001

NET (Life Sciences)

M.Sc. (Biotechnology)

Maharshi Dayanand University,
Rohtak-124001

Awards:

Best Poster Award at International Conference on Biotechnology:
Emerging Trends (ICB-2012) on 18-20 Sept, 2012.

Best Poster Award “Fabrication & Characterization of Nafion/AChE-cSWCNT/MWCNT/AuNPs-Au Electrode for amperometric determination of organophosphorus compound” National Conference on Applied Physics & Material Science organized by Department of Physics, MDU Rohtak Year 2015.

Best Poster Award “Fabrication of nanomaterial based cetylcholinesterase biosensor for determining organophosphorus compounds” National Conference on biotechnology: Emerging Trends (NCB-2016).

(PUBLICATIONS)

Books (Authors)

1. **Hooda, V.**, Gothwal, A., Gahlaut, A. (2012). Enzymatic Strips for Bio-Diagnostics: Protein Biotechnology. Lambert Academic Publishing, Germany, ISBN: 978-3-659-21579-7.
2. Dabur, R., **Hooda, V.**, Gahlaut, A. (2012). Secondary Metabolites to combat Diabetes: Natural Medicine. Lambert Academic Publishing, Germany, ISBN: 978-3-659-23656-3.

Book Chapters (International)

1. Dhull, V., Gahlaut, A., Gothwal, A., Duhan, J.S., **Hooda, V.** (2013). Nitrite Biosensors:

Analytical Tools for Determination of Toxicity due to presence of nitrite ions. *Biotechnology: Prospects and Applications* published by Springer, Germany, ISBN 978-81-322-1682-7.

Abstract Publications:

1. Dhull, V., Dilbaghi, N., **Hooda, V.** (2015). "Fabrication and application of nanomaterial based AChE biosensor for screening of organophosphorus compounds" Scientific event on Asian Network for Natural Materials held at Department of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University, Chandigarh from 28th February to 2nd March, 2015.
2. Dhull, V., Dilbaghi, N., **Hooda, V.** (2015). "Fabrication & Characterization of Nafion/AChE-cSWCNT/MWCNT/AuNPs-Au Electrode for amperometric determination of Organophosphorus Compounds" National Conference on Applied Physics & Material Science organized by Department of Physics, MDU Rohtak on February 5-6, 2015.
3. Rathee, K., Dhull, R., Dhull, V., **Hooda, V.**, Singh, S. (2016). "Synthesis of zinc oxide nanorods on gold substrate & their characterization" National Conference on Biotechnology: Emerging Trends (NCB-2016) organized by Department of Biotechnology, Chaudhary Devi Lal University, Sirsa (Haryana) on February 11-12, 2016.
4. Dhull, V., Dilbhagi, N., **Hooda, V.** (2016). "Fabrication of nanomaterial based Acetylcholinesterase biosensor for determining organophosphorus compounds" National Conference on Biotechnology: Emerging Trends (NCB-2016) organized by Department of Biotechnology, Chaudhary Devi Lal University, Sirsa (Haryana) on February 11-12, 2016.
5. Dhull, V., Dhull, R., Rathee, K., Singh, S., **Hooda, V.** (2016). "Fabrication of PAA/ASOD/cSWCNTs-AuNPs/Au wire based ascorbate biosensor for screening of fruits & vegetable samples" National Conference on Biotechnology: Emerging Trends (NCB-2016) organized by Department of Biotechnology, Chaudhary Devi Lal University, Sirsa (Haryana) on February 11-12, 2016.

Publications (2017)

1. Vinita Hooda, Vikas Kumar, Anjum Gahlaut & Vikas Hooda (2017): Alcohol quantification: recent insights into amperometric enzyme biosensors, *Artificial Cells, Nanomedicine, and Biotechnology*, DOI: 10.1080/21691401.2017.1315426
2. Anjum Gahlaut, Vinita Hooda, Vikas Dhull & Vikas Hooda (2017): Recent approaches to ameliorate selectivity and sensitivity of enzyme based cholesterol biosensors: a review, *Artificial Cells, Nanomedicine, and Biotechnology*, DOI:10.1080/21691401.2017.1337028
3. Vinita Hooda, Anjum Gahlaut, Ashish Gothwal & Vikas Hooda (2017): Bilirubin enzyme biosensor: potentiality and recent advances towards clinical bioanalysis, *Biotechnology Letters*, DOI: 10.1007/s10529-017-2396-0
4. Puneet Beniwal, Priyanka Siwach, Vijay S Beniwal & Vikas Hooda (2017): Micropropagation of stevia *Rebuidiana* using shoot tip explants- A magical sweetener and medicinal plant, *Annals of Biology*
5. Puneet Beniwal, Priyanka Siwach, Vijay S Beniwal & Vikas Hooda (2017): In vitro studies on direct shoot regeneration of stevia *rebuidiana* using nodal explants

Conference/ Seminars/ Workshop: **(Total=32)**

1. Participated in "**National Conference on Research in Clinical Psychology**" on Feb. 24th-27th, 1999 Organized by Association of Clinical Psychologists, Delhi (DACP) at AIIMS, New Delhi.
2. Participated in **Patent Awareness Workshop** on 21st Dec. 2002 Organized by Department of Bio-Sciences, MD University, Rohtak & Punjab State Council for Science & Technology, Chandigarh and Sponsored by PFC, TIFAC, Deptt. Of Science & Technology, New Delhi.
3. Participated in the **International Conference on "Trends In Cellular and Molecular Biology"** held at School of Life Sciences, **Jawaharlal Lal Nehru University**, New Delhi from March 6-8, 2003.
4. Participated in National Seminar on **"Role of Biochemistry in Modern Day Agriculture"** held at **CCS Haryana Agriculture University, Hissar** held on 24th Jan 2004.

5. **Sixth DST sponsored workshop on "Prospects of Biosensor in modern Biology and Biotechnology Applications"** Organized at Panjab University, Chandigarh from Oct 25, 2004 to Nov. 6, 2004.
6. Participated in "**75th Annual Meeting Society of Biological Chemists (India)**" Organized by **Jawaharlal Lal Nehru University, New Delhi** from November 21-24, 2004.
7. Participated in **73rd Annual Meeting Society of Biological Chemists (India) "Challenges & Opportunity to harness the modern biology for Socio-economic development in Genomic Era"** held at **G.B. Pant University of Agriculture & Technology, Pantnagar** from November 21-24, 2004.
8. Participated in **National workshop on "Research Methodology & Use of Computers in Applied Statistics"**, UGC Sponsored and Organized by C.R. College of Education, Rohtak from 09-13 January, 2005.
9. Attended "**Extension Lecturer on "Creation of E-Learning Resources in Higher Education and Designing of V-Books"**" held at Maharshi Dayanand University Library, Rohtak on 04.05.2005.
10. Participated in "**National seminar on Nanotechnology- The Road Ahead**" held at NBRI, Lucknow, Sponsored by DBT, New Delhi & CSIR, New Delhi on 17th - 19th Nov. 2005
11. Participated in "**Patent Awareness Workshop**" Organized by PIC, Hisar in collaboration with **TIFAC, New Delhi & Department of Biosciences, M.D.U. Rohtak** on 30th Dec, 2005.
12. Attended "**Workshop on Information Technology for Teachers**" Organized by **Department of Computer Sciences and Applications at MDU Rohtak** held on January 7th, 2006,
13. Participated in "**Biomaterials, Tissue Engineering and Medical Diagnostics**" the "**XVI National SBAOI Conference**" at IIT, New Delhi held on January 24-25 , 2006.
14. Participated in "**Recent Advances in Biosciences- A National Seminar**" organised by G.V.M. Girls College Sonapat, Haryana held on Feb 10-11, 2006.
15. Participated in **National Conference on "Bioinformatic Computing"** at Chaudhary Devi Lal University, Sirsa held on Feb19, 2006.
16. Participated in National conference on "**Information Technology: Setting Trend In Modern Era**" & "**8th Annual Conference of Indian Society of Information Theory & Application**" held at N.C. College of Engineering, Panipat on March 18-20, 2006
17. Participated in workshop titled "**Nanotechnology-Current Status and Challenges**" held at **IIT Delhi** from 17-3-2007 to 18-3-2007.
18. Participated in workshop titled "**Recent Trends in Nanotechnology**" held at Department of Engineering and Technology, Maharshi Dayanand University, Rohtak on March 27, 2007.
19. Participated in HEC Sponsored State Level⁴Seminar on "**Biological Science- A Current**"

Perspective” Organized by Pt. NRS Govt. College, Rohtak on March 12th -13th, 2008.

20. Participated in Symposium “**Emerging Trends in Biotechnology**” held at UIET, M.D.U., Rohtak on November 24, 2009.

21. Participated in Symposium “**Molecular Medicine at Translational Crossroads**” Organized by Department of Bio-Technology & Molecular Medicine, PGIMS in December 2009 at Pt. BDS University of Health Science, Rohtak.

22. Participated in **National Seminar on “Computing Life: Raw to Refined”** Organized by Department of Zoology, MD University, Rohtak on March 27th, 2010.

23. Organized and Participated in **National Conference on “Medical Biotechnology Vision 2020”** held at ACBT, MDU, Rohtak from April 16 to April 18 2010.

24. Participated in COLLOQUIUM on “**Microbial Technology and its Human Benefits**” held at M.D. University, Rohtak on 7th August 2010.

25. Participated in “**National workshop on Bioinformatics**” Organized by CBT, Maharshi Dayanand University, Rohtak from 14 to 16th September 2010.

26. Attended in “**India-Japan Seminar**” held at Department of Biochemistry, Maharshi Dayanand University, Rohtak on Oct 30, 2010.

27. Participated in the seminar on “**Intellectual property-creation and protection**” Organized by Department Of Microbiology, Maharshi Dayanand University Rohtak on 23rd April, 2011.

28. Participated in UGC sponsored “**Training in basic techniques in Biotechnology, Bioinformatics and Food technology**” held at CDLU Sirsa on 15 July 2011 to 28th July 2011.

29. Participated in the seminar on “**Molecular Techniques-The Face Of Modern Sciences**” Organized by the Department Of Biotechnology, Maharshi Dayanand University Rohtak on 24th October, 2011.

30. Attended National Workshop on “**E-Governance in India: Issues and Challenges**” Organized by the Department of Public Administration, Maharshi Dayanand University, Rohtak on October 05, 2016.

31. Participated in National Seminar cum Workshop on “**Animal Ethics and Experimentation**” Organized by Central Animal House, Maharshi Dayanand University, Rohtak on October 22, 2016.