(CV of Dr.Madhu Khatri)

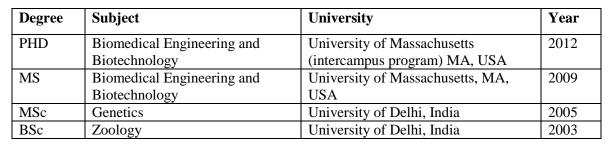
Name : Dr. Madhu Khatri
 Designation : Assistant Professor

and Wellcome trust/DBT IA early career fellow

3. **Department** : Biotechnology Engineering, UIET, Panjab University

4. E-mail: m2khatri@gmail.com, madhuk@pu.ac.in

5. Phone- 91-9780021944(M)6. Educational Background:



7. Research Areas: Nanotechnology and Nano Environmental Health and Safety

8. Ongoing Project:

0 0				
S.No.	Agency	Title	Amount sanctioned	Duration
			(in Rupees)	
1	Wellcome trust/	Nanomaterial Hazard	1.62 Crore	2015-
	DBT Early Career	Identification: High		2020
	Fellowship	throughput toxicity		
		assessment using Zebra fish		
		model.		

9. Experience:

Job Title	Institute	Duration
Assistant Professor	UIET, Panjab University,	August 2014-Present
	Chandigarh	
Scientist	Institute of Nanoscience and	March 2014-August 2014
	Technology, Mohali, Panjab	
Post Doctoral Research	University of Massachusetts,	May 2012- September 2013
Associate	MA, USA	
Teaching and Research	University of Massachusetts,	September 2007- May 2012
Assistant	MA, USA	
Junior Research Fellow	University of Delhi	June 2005- August 2007



10. List of Publications:

- Sood K, Kaur Jasreen, **Khatri M*** (2017). Comparative neurotoxicity of zinc oxide nanoparticles by crawling assay on *Drosophila melanogaster*. International Journal of Engineering Technology Science and research. 4:4; 440-444. (**I.F:2.1**)
- Kaur S, Khatri M, Singh G (2017). Isolation and characterization of prokaryotic laccases.
 International Journal of Advanced Technology in Engineering and Sciences 5:3,127-130.
 (I.F:2.8)
- **Khatri M**, Bello D, Martin J, Bello D, Gore R, Demokritou P, Gaines P (2017). Chronic upper airway inflammation and systemic oxidative stress from nanoparticles in photocopier operators: Mechanistic insights. Nanoimpact 5:133-146. (**I.F: 4.5**)
- Sehrawat S, Reddy PBJ, Suryawanshi A, **Khatri M**, Rouse BT (2014). An approach to control relapse of inflammatory leosons after discontinuation of primary therapy. (Plos One 9(5): e98051. doi:10.1371/journal.pone.0098051). (**IF: 3.7**)
- Singh B, **Khatri M**, Nanda S (2014). Regulating nanomedicines: need for paradigm shift. Chronocile Pharmabiz, 13th Anniversary Issue. January: 14-16.
- Pal AK, Bello D, Hsieh SH, Schmidt D, **Khatri M**, Gaines P, Rogers E (2014). Screening for oxidative damage by engineered nanomaterials: A comparative evaluation of FRAS and DCFH. Journal of Nanoparticle Research 16:2167; DOI 10.1007/s11051-013-2167-3. (**IF: 2.1**)
- **Khatri M***, Bello D, Pal AK, Martin J, Gu A, Gassert T H, Woskie S, Gaines P (2013). Evaluation of cytotoxic, genotoxic and inflammatory responses of nanoparticles from photocopiers in three human cell lines. Particle and Fibre Toxicology, DOI: 10.1186/10.1186/1743-8977-10-42. (* **Co-corresponding author**) (**IF: 9.2**)
- **Khatri M***, Bello D, Gaines P, Martin J, Pal AK, Gore R, Woskie S (2013). Nanoparticles from photocopiers induce oxidative stress and upper respiratory tract inflammation in healthy volunteers. Nanotoxicology, Aug; 7(5): 1014-27. (* **Co-corresponding author**)(**IF: 7.8**)
- **Khatri M***, Bello D, Pal AK, Woskie S, Gassert TH, Demokritou P, Gaines P (2013). Toxicological effects of PM0.25-2.0 particles collected from a photocopy center in three human cell lines. Inhalation Toxicology, Sept; 25(11): 621-632. (* **Co-corresponding author**) (**IF:1.9**)
- Schuenke MD, Day DS, Bouchard M, Hellstrand K, **Khatri M**, Carriero JE. (2010) "Effect of Osteopathic Manipulation on Interstitial Concentrations of Inflammatory Markers." Medicine & Science in Sports & Exercise: Volume 42 Issue 5 p 387.(**IF:3.7**)
- **Khatri M** and Rajam M V (2007) "Targeting Polyamines of *Aspergillus nidulans* by siRNA Specific to Fungal *Ornithine Decarboxylase* gene" Medical Mycology 45:3, 211-220. (**IF: 2.4**)

11. Books/Book Chapters:

- Bioanalytical Techniques, Girsharan Singh and **Madhu Khatri**, Kalyani Publishers, ISBN: 9789327260908, 2016.
- Dimple Chopra, Kailash C Gupta, Shweta Sharma, Madhu Khatri, Beldeu Singh and Bhupinder Singh, Nanostructured Drug Delivery: Toxicological Challenges and Safety Issues, Nanobiomedicine Nanomedicine- Vol 1, Edited by B.S. Bhoop, Jagat R Kanwar OP katare, Series ISBN 1626990506, Book ISBN-1626990514, Studium Press LLC, 2015, 493-534.

12. Conferences/ Workshops organized and attended:

• **Oral presentation** in Annual Fellows Meeting, Organized by Wellcome tust/ DBT (17th- 19th May 2018), Delhi.

- Organizer, Start-Up and Innovation Workshop at UIET, Panjab University on 22nd march 2018
- Participated in Workshop on Access to Technology for Innovations and Establishing a
 Technology and Innovation Support Center (TISC) Network at MGSIPA Complex, Chandigarh
 (4th -5th Dec 2017)
- **Invited Speaker,** Nanomission School on Nanoscience and Nanotechnology: Biological Science, INST, Mohali (9th Nov 2017)
- **Poster Presentation,** Women Scientist Conclave, IISF 2017, Anna University, Chennai (15-16 Oct 2017)
- **Instructor and Organizer,** Panjab University Foundation/Laboratory workshop on Biorisk Management, Chandigarh (11th -15th Sept 2017)
- **Organizer and Coordinator,** BRM trainer development program workshop, Panjab University, Chandigarh (26th -30th June 2017)
- **Paper presentation,** 3rd International Conference on Recent Development in Engineering and Sciences, Humanities and Management, NITTR, Chandigarh (26th March 2017)
- **Attended** Management and Leadership Workshop, New Delhi (16th-17th March 2017)
- **Poster presentation,** 9th Chandigarh Science Congress, Chandigarh (9th March –11st March 2017).
- **Attended** Faculty Development Programme on Effective Teaching, UIET, Panjab University (9th-14th Jan 2017)
- Attended 113 Orientation Course, HRDC, Panjab University (29th Nov-26th Dec 2016)
- Organizing member, Biocamp 2016, Panjab University, Chandigarh (10-11 Nov 2016)
- **Instructor and Organizing member**, Foundational and Laboratory Level Biorisk Management, Panjab University Chandigarh, (November 2-10, 2016)
- Instructor, India Biorisk Management Workshop, New Delhi (5-6 September, 2016)
- **Poster presentation**, 8th Chandigarh Science Congress, Chandigarh (27th Feb –1st March 2016).
- Organizing member and podium presentation, NanoSciTech, Chandigarh (18-20th Feb 2016).
- **Attended** Global Initiative for Academic Networks course on Emerging and Prevalent Infections, Organized by IISER Mohali, Punjab (27th Jan-6th Feb 2016).
- **Participated** in Biorisk Management Trainer Development Program (Curriculum Development Track), Organized by Sandia National Laboratory, USA and Panjab University, Chandigarh (14-18 Dec 2015).
- **Poster session judge** at Australia- India Strategic Research Fund Meeting on Advanced Nanomaterials for Energy, Optoelectronics and Biological applications, Organized by INST, Mohali Punjab (25th-27th Nov 2015).
- **Podium presentation** at NanoSciTech, Panjab University, Chandigarh (Feb 20th, 2016).
- **Poster presentation** at Annual Fellows Meeting, Organized by Wellcome tust/ DBT (5th- 6th Nov 2015).
- **Plenary speaker** at national symposium on Current Issues in Public Health and Human Welfare, Organized by Centre for Public Health, Panjab University (PU), Chandigarh (March 11, 2015).
- **Invited speaker** at One day Conclave on Nanobiotechnology, Organized by INST Mohali (21st Dec 2014).
- **Podium presentation** at NanoSciTech, Panjab University, Chandigarh (Feb 15th, 2014).
- **Podium presentation** at 244th ACS National Meeting & Exposition, Philadelphia, Pennsylvania, USA (August 19-23, 2012).
- **Podium presentation** at 5th International Symposium on Nanotechnology, Occupational Safety and Health, Boston, MA, USA (Aug 11th, 2011).
- **Poster presentation** at Gordon Research Conference, Waterville, NH, USA (May 30th -June 3rd 2011).

- **Poster presentation** at CHN industry day showcase at University of New Hampshire, USA (24th May 2011).
- **Podium presentation** at UConn Health Center-UMass Lowell Sturbridge Symposium Semi-Annual Meeting, USA: May 16, 2011.
- **Poster presentation** at ENEBC Boston, USA (25th April 2009).
- **Poster presentation** at Annual Student Research Symposium, UMASS, USA (28th April 2009).
- Poster presentation at All India Botanical Conference held at Dehradun (24-26th, Oct. 2005).

13. Achievements/Awards:

- Awarded **Travel grant** from Defense Threat Reduction Agency, USA to attend European biosafety congress, Madrid, Spain (24-28 April 2017)
- Awarded **Travel grant** from Sandia National Laboratory, USA for attending Management and Leadership Workshop, New Delhi (16th-17th March 2017)
- Awarded **Second prize** in poster presentation, Biocamp 2016, Panjab University, Chandigarh (10-11 Nov 2016)
- Awarded **Travel award** from Sandia National Laboratory, USA for attending India Biorisk Management Workshop, New Delhi (5-6 September, 2016)
- Awarded **Travel award** by YIM to attend 7th Young investigator meeting, Srinagar (28th march-1 April 2015)
- Certified by Sandia National Laboratory, USA for Class 6.2 Dangerous Goods Shipping (April, 2014).
- Awarded Post Doctoral Fellowship by Centre for High-rate Nanomanufacturing, UML, MA, USA. (June 2012).
- Awarded Travel Award from Gordon Research conference, Waterville, NH, USA: May (30th June 3rd 2011).
- Awarded Junior research Fellowship by CSIR, India (June 2005).
- Awarded South-Campus Endowment Scholarship, University of Delhi, India (July 2004).
- First Rank Holder during Bachelors' at University of Delhi (July2003).

14. PhD & M.E/M.TECH thesis supervised/supervising:

S.No	Name of the Student	Degree	Status
1	Ms. Jasreen Kaur	PhD	In Progress
2	Mr. Nitish Kumar	PhD	In Progress
3	Ms. Kritika Sood	M.E	Completed 2017
4	Ms. Sukhman Kaur	M.E	Completed 2017
5	Ms. Satinder Pal Kaur	M.E	Completed 2017
6	Ms. Archita Shama	M.E	In Progress
7	Mr. Kanika Sood	M.Tech	In Progress
8	Mr. Harpreet Singh	M.E	In Progress