




Title	Dr.	First Name	Kuntal	Last Name	Photograph
Designation	Assistant Professor				
Address	House Number-98 Sector 19 Faridabad-121002 Haryana				
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Residence*					
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Educational Qualifications					
Degree	Institution			Year	
Ph.D. (Zoology)	School of Life Sciences, Khandari Campus, Dr. B. R. Ambedkar University, Agra			2004	
M.Phil. (Zoology) With Distinction	School of Life Sciences, Khandari Campus, Dr. B. R. Ambedkar University, Agra			2002	
M.Sc. (Zoology)	Dr. B. R. Ambedkar University, Agra			2000	
B.Sc. (Medical)	M.D. University, Rohtak			1998	
Career Profile					
<p>Nearly 12 years of teaching and research experience in graduate and post graduate courses.</p> <ul style="list-style-type: none"> • Gargi College, University of Delhi – Since 14th October 2015- Till date (Permanent) • Manav Rachna International University, Faridabad, Haryana – From 2008 to 2015 (Regular) • Saraswati Mahila Mahavidhalay College, Palwal, Haryana- From 2005-2007 (Temporary) 					
Administrative Assignments					
<p>(During 2008 -2015)</p> <ul style="list-style-type: none"> • Timetable Coordinator • Internal Assessment Evaluation • Updating of Subjects Content 					

- Course Mentorship
- Class Mentorship
- Biochemistry Lab Coordinator
- Industrial or Field Visits Coordinator
- Deputy Superintendent during Examination

(From 2015 –Till Date)

- Equipment Maintenance coordinator
- Editor for Department Magazine –Flight
- Member of Foreign Student Committee
- Member of Zoology Committee
- Zoology Museum Coordinator

Areas of Interest / Specialization

Biochemistry, Enzyme Technology and Hematology

Subjects Taught

Biochemistry, Immunology, Cell Biology, Genetics, Introduction to Biology, Enzyme Technology, Food Biotechnology, Evolutionary Biology, Chordata, Biology I, Immobilization and Membrane Technology, Stem Cell Biology

Research Guidance

M.Sc. Dissertation – 03 (2012-2014)
Academic Research Projects- 05

Recent Publications

E-chapters

1. Kuntal Kalra, Paper –Molecular Therapeutics, Module-Biology of Protozoan diseases, ePGPathshala, UGC-MHRDC, August2017, <https://youtu.be/TCn7LtdsvOo>
2. Kuntal Kalra, Paper –Molecular Therapeutics, Module-Biotherapy of Protozoan diseases, ePGPathshala, UGC-MHRDC, August 2017, <https://youtu.be/jJkmwvWBbd8>
3. Book chapter/ echapter / Study material: B.Sc Honors (Biochemistry) Programme, Core course – Hormones: Biochemistry and Function, Unit 5- Reproductive Hormones, Indira Gandhi National Open University, Maidan Garhi, New Delhi.
4. Book chapter/echapter / Study material: B.Sc Honors (Biochemistry) Programme, Core course – Hormones: Biochemistry and Function, Unit 6- Growth hormones and Factors, Indira Gandhi National Open University, Maidan Garhi, New Delhi.
5. Book chapter/echapter /Study Material: B.Sc Honors (Biochemistry) Programme, Core

course: Basic Microbiology, Unit 9: Protozoa, Indira Gandhi National Open University, Maidan Garhi, New Delhi.

Book chapter

- Kalra K. Ancient, Classical and Modern Biotechnology, Indian and Western Knowledge Traditions, CPDHE, DU. ISBN No. 978-93-85144-82-0, 2016, 72-79.

Research publications

1. Kalra K and Kumari R, Isolation and production of inulinase from banana peel by using *Aspergillus niger* under submerged fermentation. *International J Scientific and Res. Publications* , 2017, 7 (3):454-461
2. Kalra K and Tomar P (2014) Stem Cell: Basics, Classification and Applications , American Journal of Phytomedicine and Clinical Therapeutics, [2][7][2014]919-930 (SJIF-3.266, IF-0.69)
3. Kalra K and Shavez M (2014) Production of Laccase from Banana Skin by *Trametes Hirsuta* In Solid State and Submerged Fermentation, *Asian J Biochemical and Pharmaceutical Research*, Issue 2 (Vol. 4):221-231(GIF-0.456 and JIF -2.56)
4. Kalra K., Chauhan R.,Shavez M. and Sachdeva S (2013) Isolation of Laccase producing *Trichoderma* Spp. And effect of pH and Temperature on its activity, *Int. J Chemtech Res.*,5(5):2229-2235. (Listed in SCOPUS and Elsevier).
5. Kalra K and Agarwal A (2013) Alterations in Blood Enzymes following nitrogen dioxide exposure in albino rat. *Poll. Res.*,32(1):147-150(NAAS rating:4.75, Scopus h index 18)
6. Shourie A and Kalra K (2013) Analysis of phytochemical constituents and Pharmacological properties of *Abrus precatorius L.*, *Int J Pharm Bio Sci* 2013 Jan; 4(1): (P) 91 – 101.(Impact Factor-0.47 ,Elsevier indexed)
7. Chapadgaonkar S and Kalra K (2012) Alternatives to animal experimentation in research and education ,*International journal of Innovations in Biosciences* , 2(3): 142-145
8. Kalra K and Agarwal A (2011) Effects of nitrogen dioxide inhalation on blood glucose level in albino rat. *Asian J. Exp. Biol. Sci.*, 2(4):772-776.
9. Kuntal Kalra and Shilpa Chapadgaokar (2011): Probiotics: Health benefits and Side effects.M.R. *Int. J. Engg. & Techn.* 3 (1):29-33
10. Agarwal A and Kalra K (2003) Effects of nitrogen dioxide inhalation on certain haematological parameters in albino rat. *Poll. Res.* 22(2): 217-219.(Impact factor:3.4, Scopus h index 14)

Conference Organization/ Presentations

1. Organized Symposium on "Wanderers of Nature: Exploring Wildlife" organized by Department of Zoology, Gargi College University of Delhi, New Delhi (January 11-12, 2018).
2. Monika, Manisha Kumari, Kuntal Kalra and Madhu Yashpal, 2017, Optimization and Production of Pectinase Using Citrus Fruit Waste by Solid State and Submerged

Fermentation, International Conference on “ Nanobiotechnology for agriculture from research to innovation, India Habitat Centre, Lodhi road ,New Delhi . 20-21 November 2017,37pp

3. Madhu Yashpal and Kuntal, Effects of Repeated Oral Exposure of Silver Nanoparticles on Liver of Mice, International Conference on Nanobiotechnology for Agriculture: From Research to Innovation (NanoForAgri), Organised by TERI, India Habitat Centre, Lodhi road ,New Delhi . 20-21 November 2017,39pp.
4. Shilpa C and Kalra K. (2011). “Use of Integrated tools to reduce animal experimentation” in National Conference on “Ethics, Values and Morality: Concept, Theory & Practice, May 28, 2011, Deptt. Of Humanities and management, FET, MRIU.
5. Kuntal Kalra and Pushpa C.Tomar (2010). Stem cell: A Boom in Medical Surgery. Abstract in proceedings of National conference on Medical Biotechnology: vision 2010.
6. “Effect of nitrogen dioxide inhalation on blood glucose in albino rat” in International conference on Water, Environment, Energy and Society at S.R.K (P.G) college, Firozabad, Uttar Pradesh , 28- 30 June, 2009
7. Blood Enzyme alterations Following Nitrogen Dioxide Exposure in albino rat” in international conference at Aligarh Muslim University, 26-28 October, 2009

Conference/Workshop/FDP/Seminars Attended:

1. Attended **Orientation Programme (OR-87)**, 25th November 2016 to 23rd December 2016 organized by CPDHE (UGC-HRDC) Academic Research Centre Building Opposite SGTB Khalsa College University of Delhi .
2. Participated in One day Symposium on “Wanderers of Nature: Exploring Wildlife” at Department of Zoology, Gargi College, New Delhi, organized by Albatross –Zoological Society of Gargi College, March 12,2018.
3. Attended National Conference on “Technological Empowerment of Women” at Vigyan Bhavan, New Delhi organized by National Academy of Sciences,India(NASI) ,March 8-9 ,2018
4. Attended NAAC sponsored National Seminar on “Mentoring the Teacher-Mentors: Capacity Building Programme organized by Gargi College, IQAC ,University of Delhi. 19-20 January ,2018
5. Attended Two days Science Academics Lecture Workshop on “Ingenuity in Biological Sciences” organized by Department of Zoology, Gargi College,DU ,11-12 January,2018
6. Participated in International Conference on “ Nanobiotechnology for agriculture from research to innovation,organized by TERI at India Habitat Centre, Lodhi road, New Delhi. 20-21 November 2017.
7. Attended National Workshop on Biostatistics, March 9-10, 2017, Organized by Department of Botany and Mathematics, Zakir Husain Delhi College, University Of Delhi
8. National Conference on Combating Industrial Pollution for Sustainable Environment-A fusion of Industrial and Scientific Efforts (CIPSE-2016), Department of Chemistry, Gargi College, University of Delhi, September22-23, 2016
9. One day Interactive Session on Foldscope Explore: Exploring the Microscopes, Sri

- Venketeshwara College, Delhi University, New Delhi on Dec. 16, 2015
10. FDP on “Emerging Technologies-Catalyst for Professional Education Reforms,Quality Assurance,Teaching Learning Process,Assessment and Delivery” held at MRIU with IEEE Computer Society Delhi Section on 26 August,2015
 11. One Day FDP on “Adiministartive systems of India”,Feb. 14, 2015. at MRIU sponsored by IQAC.
 12. One Day FDP on “Promoting Quality of Academic Environment Through Soft skills” ,December 18 ,2014,Academic Staff College,MRIU
 13. Two Days All India Seminar on “Biomass Utilization” on May 17-18, 2013, organized by IEI and Deptt. of Biotech ,FET ,MRIU
 14. One day International workshop on “BIOFUEL” organised by Lahti University of Applied Sciences and Deptt. Of Biotechnology at MRIU on November 5,2012.
 15. Two days National workshop on “Geo-Cloud computing and Cryptology” sponsored by DST and DRDO at MRIU on September 21-22,2012.
 16. One day workshop on “IPR: Opportunities and strategies” at FET,MRIU on 1st September,2012.
 17. Three days Faculty Development Programme on “Current Global Pedagogical Practices” at MRIU, Faridabad from 17th May to 19th May,2012.
 18. Two days Techno Carnival “Science Conclave and Exhibition”, 27-28 Jan., 2012, at MRIU campus and sponsored by Deptt. Of Science and Technology Govt. of Haryana and MRIU.
 19. Three days International Symposium On *Recent Advances in “Green Chemistry” and Chromatography Sciences” 12-14th January, 2012* at Manav Rachna International University Faridabad Organized by Indian Society of Analytical Scientists
 20. Three Days Indo-Spanish Workshop on Health and Medical Research, 22-24th Nov. 2011, organized by CII and Deptt. Of Science and Technology, Govt. of India. New Delhi, India
 21. One day National Seminar on “Molecular Techniques- The face of Modern Sciences” at DDE Conference Hall , Maharishi Dayanand University , Rohtak , on October 24 ,2011.
 22. One Day National Conference on “Ethics, Values and Morality: Concept, Theory & Practice, May 28, 2011, Deptt. Of Humanities and management, FET, MRIU.
 23. One day Global Symposium on “Stem Cell Technology”, 7 November, 2010 at Deptt. Of Biotechnology, FET, Manav Rachna International University.
 24. Three days *International Conference on Emerging Technologies in Environmental Science and Engineering*. Aligarh Muslim University, Aligarh, India. October 26–28, 2009
 25. Two days national workshop -cum-conference on “environmental impact through efficient management of solid waste: technology impetus & policy transformation” jointly organised by indian institute of technology (IIT) delhi, search foundation & hinge services. 10-11 September, Delhi.

26. International conference on Water, Environment, Energy and Society at S.R.K (P.G) college, Firozabad, Uttar Pradesh , 28- 30 June, 2009
27. National Seminar On “Career oppurtunities in biotechnology” at CITM, Manav Rachna International University, Faridabad. 18 April, 2009.
28. National Conference on Recent Advances in Chemical Sciences (NCRACS) on “Food and Drug Research” Govt. Dungar College, Bikaner, 3-5 Oct. 2008
29. Two days’ workshop on “understanding and implementation of Environment management systems” Noida, 9-10 Feb. 2008

Research Projects (Major Grants/Research Collaboration)

“Production of Laccase enzyme from Food Wastes” financed by Manav Rachna International University, Faridabad. (Completed in 2014)

Star College Project (2017):

Title: Purification and Production of Pectinase by Fungi and Bacteria isolated from fruit Waste under solid state and submerged fermentation

Star College Project (2018):

Title: Characterization and Green Synthesis of Nanoparticles from fruit extracts of *Punica granatum*

Awards and Distinctions

- Gold medal in M.Phil.
- University Fellowship during Ph.D.
- Certificate of appreciation in International Symposium on “Stem Cell” presented by Manav Rachna International University, Faridabad, held on 7th Nov 2009 in collaboration with SCGF.
- Appreciation award for successful organization of “Science conclave & Exhibition” held in FET, MRIU, Faridabad, Haryana, India on 27th -28th Jan, 2012.
- Appreciation award for successful organization of National seminar on “Bio Mass Utilization” held on 17th -18th May 2013

Association With Professional Bodies

Indian Society of Analytical Scientistis (ISAS)
Indian Society of Technical Education(ISTE)

Other Activities

Reviewer: Asian Journal of Experimental Biological Sciences, Pollution Research

