

RESUME

NAME **Ms. LATIKA BHATIA**

Father's Name Mr. R.C. Bhatia

Mother's Name Mrs. Sunita Bhatia

Date of Birth 03/06/1979

Nationality Indian

Religion Hindu

Sex Female

Category General

Marital Status Single

ADDRESS FOR CORRESPONDENCE

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SCHOLASTIC RECORD

NAME OF EXAM	SUBJECTS	YEAR	SCHOOL/UNIVERSITY	%
Sec School	English, Hindi, Science, Maths, Social Science.	1994	Saint Josephs Convent School /C.B.S.E.	61.8 %
AISSCE	English, Hindi, Physics, Chemistry, Biology	1996	Saint Josephs Convent School /C.B.S.E.	71 %
B.Sc.	Industrial Microbiology, Zoology, Chemistry, FC.	1999	Dr. Hari Singh Gour University, Sagar.	63 %
M.Sc. (pre)	Applied Microbiology & Biotechnology.	2000	Dr. Hari Singh Gour University, Sagar	62 %
M.Sc. (final)	Applied Microbiology & Biotechnology.	2001	Dr. Hari Singh Gour University, Sagar	68.5 %

P.S.C. EXAM QUALIFIED

Cleared Chattisgarh Public Service Commission (CGPSC) Exams for ASSISTANT PROFESSOR in MICROBIOLOGY. Waiting list no. 03

PROFESSIONAL QUALIFICATION

CSIR/UGC NET Qualified LIFE SCIENCE For LECTURESHIP TWICE. In 2001 & 2004

FELLOWSHIP

Indian Academy of Sciences - Bangalore, Indian National Science Academy - New Delhi, The National Academy of Sciences - Allahabad (IASc-INSa-NASi) Summer Research Fellowship in 2010. I worked with Dr. Milind Watve, Department of Biology, Indian Institute of Science Education & Research (IISER), Pune. Topic of my project was "Predation by Actinomycetes of Gram Negative Bacteria"

RESEARCH EXPERIENCE

Registered in ITM University, Gwalior, as a research scholar in Biotechnology. Course work & RDC completed. "Economic and Ecological Perspective of Ethanol Production From Agrowastes..Synopsis & RDC approved. Two Year experience.

INVITATION IN CONFERENCE TO DELIVER LECTURES

1. As a invited speaker, to deliver lecture on the topic "Immune dysfunction during Sepsis Syndrome and its treatment strategies", at the "3rd National Conference on Infectious Diseases" at A.I.I.M.S, on 17th -18th April, 2010
2. As invited speaker to deliver lectures on the aspects of molecular taxonomy on 4-5 Nov. 2011 during the training programme conducted by Department of Applied Microbiology, Dr. Hari Singh Gour Central University, Sagar, for biotechnology students sponsored by M.P. Biotechnology Council, Bhopal.

Staff Development Programme

I participated in six days staff development programme in ITM University Gwalior on 'Emerging World of Nanotechnology' Organized by Department of Engineering physics, sponsored by AICTE, between August 1st to 6th, 2011.

TEACHING EXPERIENCE

Of 12 years. Presently I am working as Assistant Professor, In Department of Microbiology & Bioinformatics in Bilaspur University, C.G.

PUBLICATIONS

Research article

1. Bhatia Latika & Paliwal Shirish. Banana peel waste as substrate for ethanol production. International Journal of Biotechnology and Bioengineering Research (ISSN No 2231-1238). Volume 1 Number 2 (2010) 213–218
2. Bhatia Latika & Vishwakarma Ritu. Hospital Indoor Airborne Microflora in Private and Government Owned Hospitals in Sagar City, India. World Journal of Medical Science (ISSN No- 1817- 3055). 5(3) (2010), 65-70
3. Bhatia Latika & Paliwal Shirish. Ethanol producing potential of *Pachysolen tannophilus* from sugarcane bagasse. International Journal of Biotechnology and Bioengineering Research (ISSN No 2231- 1238). Volume 2 Number 2 (2011) 271–276
4. Bhatia Latika & Khutpale Ghansham. Evaluation of Drug resistance and Sensitivity in throat infecting bacteria. Asian Journal of Experimental Biology (ISSN No. 0975-5845), Vol 2(2), (2011), 177-181.

Reviews

5. Bhatia Latika, Johri Sonia, Ahmad Rumana. An economic and ecological perspective of ethanol production from renewable agro-waste- A review. **In Applied Microbiology & Biotechnology Express (Springer Open journals)**. AMB Express 2012, 2:65. doi:10.1186/2191-0855-2-65. Editor-in-Chief: Alexander Steinbüchel. ISSN: 2191-0855 (electronic version). Impact Factor of AMB is 3.613 (2011)*
6. Bhatia Latika. Metagenomics- Unlocking the mysteries of unculturable microbes. Everymans Science (ISSN No. 0531-495X), Volume 45(6), (2011), 345-350.
7. Bhatia Latika. Polyhydroxyalkanoates: Future's most potent alternate for chemical plastics (Review). International Journal of Research Hunt (ISSN No. 0973-5569). Volume V, Issue IV, 2010, 179-192.
8. Bhatia Latika. Impact of bioaerosols on Indoor Air Quality- A growing concern. Advances in Bioresearch (ISSN No. 0976- 4585), Volume 2, Issue 2, 2011, 120-123.
9. Bhatia Latika. Catabolic Potential of Microbes to Bioremediate plastics. In proceedings of national Seminar on Environmental safety and Solid Waste Management.

Chapter in book

10. Bhatia Latika. Chapter on “Metagenomics”. In book “Modern Aspects of Microbiology”, ISBN-81-86644-23-7, year 2012, Madhu Publications, Bikaner.

11. Bhatia Latika. Chapter on “Biofuels from Agricultural Residues”. In book “ Advances in Petroleum Engineering”, edited by Shishir Sinha, Indian Institute of Technology (IIT), Roorkee. Year 2013, **Studium Press LLC, USA**

Monograph- Single author, International Publication

12. "Impact & Assessment Of Bioaerosols In Hospital Environment", with the project number 49015, and ISBN 978-3-8484-9097-4, LAP LAMBERT Academic Publishing GmbH & Co. KG, Heinrich-Böcking-Str. 6-8 , 66121, Saarbrücken, **Germany**
13. “Antibiosis under nutrient deficient conditions” ISBN 978-3-659-24729-3, LAP LAMBERT Academic Publishing GmbH & Co. KG, Heinrich-Böcking-Str. 6-8 , 66121, Saarbrücken, **Germany**

TRAINING

In State Forensic Science Laboratory (**F.S.L.**), Sagar, in Biological section on “Examination of forensic biological section” for **ONE month**.

Here I learnt

- Detection of presence of blood.
- Forensic characterization of semen.
- Saliva examination.
- Hair examination.
- Crossed over gel electrophoresis.
- Chromatography’s like Ion Exchange, Gas Liquid, H.P.L.C

WORKSHOP

- (1) 5-Day Hands-on Workshop on **Molecular Biotechnology and Bioinformatics**, In School of Biotechnology, **International Institute of Information Technology, Pune**
- (2) 10- days Active participation in deliberation and providing hands on training of microbial technology to the participants of workshop on **Microbial technology and Molecular Biology**.
- (3) 3-Days hands-on workshop on **Frontiers in Structural Bioinformatics**, in Department of Biophysics, **All India Institute of Medical Sciences, AIIMS, New Delhi**
- (4) 13 Days UGC-NRC-DBS workshop on **Basic Immunological Techniques**, in **Indian Institute Of Sciences, Bangalore**

SEMINARS/CONFRENCES/SYMPOSIUMS ATTENDED

- National Seminar on “Present Status of Microbiology And Challenges For Sustainable Development”. **Sagar University** (2001).
- National Seminar on “Biodiversity and Human Welfare” National Environment Awareness Campaign. State Forensic Science Laboratory, Sagar (2003)
- *National Seminar on “50 Years of DNA, 25 Years of IVF” Blue Print of life. (2003).
- *National Science Day (2005 & 2007)
- 47th Annual Conference of Association of Microbiologist of India, **Barkatullah University Bhopal** (2006).

- *National Symposium on Plant Pathogens: Exploitation & Management. **Jabalpur R.D University** (2007).
 - 50th Annual Conference of Association of Microbiologist of India, **National Chemical Laboratory**, Pune (2009).
 - 97th Indian Science Congress, **Kerala University**, Thiruvananthapuram (2010).
 - *National Conference on Cellular And Molecular Medicines, School of Biotechnology, Rajiv Gandhi Proudhyogiki Vishwavidyalaya (State **Technological University** of M.P) (2010).
 - *International Conference on Recent trends in Nano And Biosciences, **Osmania University**, Hyderabad (2010).
 - Symposium on 5th AOHUPO, 14th ADNAT, 1st PSI in **CCMB**, Hyderabad (2010)
 - *National Seminar on Environmental Safety and Solid Waste Management.
 - *National Seminar on Infectious Diseases, **A.I.I.M.S.** New Delhi (2010).
 - *National Symposium on Advances in Nanosience, **ABV-IIITM**, Gwalior (2011).
 - * International Conference on “Technology & Innovation for management of sustainable development”, **ITM University**, Gwalior (2012) ***
 - * National Seminar on “ Frontiers in environmental Research”, Gwalior (2012)
- *Presented paper either oral/poster

AWARDS & HONOUR

1. Best poster presentation award in seminar sponsored by ministry of Environment And Forest (Govt. of India).
2. I was honored for best oral presentation in National Science Day 2005 in Sagar University.
3. First prize- Best poster presentation- ITM University event 2013

COMPUTER EDUCATION

Master Diploma in Software Technology from “**INDIA EDUCATION CENTRE** ” Grade “A” in 1999

MEMBERSHIP

- Life member of **Association of Microbiologist Of India (AMI)**.
- Life member of **Indian Science Congress Association**.

Other Activities Undertaken (Teaching/ Social/ Cultural/ Examination etc):

Activity	Organizer/ University/ College	Place and Date
Social- Attended Rashtriya Peryavaran Jagrukta Abhiyan	State F.S.L Sagar	Sagar, 12/06/03
Teaching- Gave lecture on Metagenomics, and hands on training to the participants of workshop	Workshop on Microbial Technology & Molecular Biology, Dept. of Applied Microbiology n	Sagar, 10-19 Sept, 2009

	Biotechnology, Dr. Hari Singh Gour University.	
Extracurricular Dept. Activities- 1) Actively participated in all activities conducted by AMI unit Sagar		Dept. Of Applied Microbiology & Biotechnology, Dr. Hari Singh Gour University, Sagar 13 Jan 2007
2) Helped in organizing Poster Presentation during National Science Day-2009 in Department	Department Of Applied Microbiology & Biotechnology	Sagar, 28 Feb 2009
3) Hosting all the programs held in Department	Opening n Valedictory Functions of Workshop	Dept. Of Applied Microbiology & Biotechnology, Dr. Hari Singh Gour University, Sagar , 10 th & 19 th March 2008 and 10 th & 19 th Sept 2009
4) Plantation Programs in Department	Dept. Of Applied Microbiology & Biotechnology, Dr. Hari Singh Gour University, Sagar	Dept. Of Applied Microbiology & Biotechnology, Dr. Hari Singh Gour University, Sagar 2 October 2009
Examinations As an invigilator in a) Mid semester exams of Department b) Main and Entrance exams of University c) VYAPAM exams that took place in university. d) As a paper setter and evaluator	Dr. Hari Singh Gour Vishwavidyalaya, Sagar Vanrakshak exam by VYAPAM in ITM University In ITM University	Dated as the duties were given

CO-CURRICULAR & EXTENSION ACTIVITIES

- Participated in one day training program on **Water Conservation**, Sponsored by Ministry of Environment and Forestry, Organized by State Forensic Science Laboratory, Sagar.
- Participated in one day workshop on **Self Employment Opportunities for youth**, Sponsored by Dept. Of Higher Education, M.P.
- Participated in one day workshop on **Parliamentary Procedures and Patterns**, Organized by Govt. Nodal Arts and Commerce College.