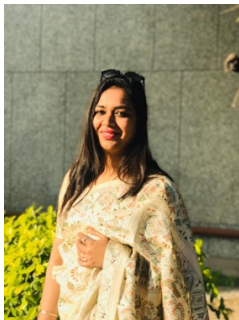


## **CURRICULUM VITAE**



**DR. ANJALI SAXENA**

E-mail: anjali.saxena1403@gmail.com  
Ph: 9891251148  
011-45595483

---

### **DESIGNATION**

Assistant Professor, Department of Zoology, Bhaskaracharya College of Applied Sciences, University of Delhi.

### **PROFESSIONAL SUMMARY**

Responsible lecturer with excellent communication skills demonstrated by 10yr of teaching experience in prestigious college of University of Delhi. Hardworking, passion for research, especially in the area of Life Science, Microbiology, Biomedical Science, Molecular Biology. Great ability to work in teams. Motivated, enthusiastic educator with good managerial skills. Specialize in managing work, developing interesting & innovative research oriented academic activities.

### **EXPERIENCE**

- Working as Assistant Professor (Adhoc) in Bhaskaracharya College of Applied Sciences, University of Delhi (28<sup>th</sup> July 2018 - Present)

- Worked as Assistant Professor (Adhoc) in Acharya Narender Dev College, University of Delhi (27<sup>th</sup> July 2017- 20<sup>th</sup> May 2018)
- Worked as Assistant Professor (Guest) in Sri Aurobindo College, University of Delhi (15<sup>th</sup> Jan, 2017- March 2017)
- Worked as Assistant Professor (Adhoc) in Ramjas College, University of Delhi (29<sup>th</sup> July, 2015- 16<sup>th</sup> May, 2016)
- Worked as Assistant Professor (Adhoc) in Shivaji College, University of Delhi (7<sup>th</sup> Jan 2015-29<sup>th</sup> April, 2015).
- Worked as University Teaching Assistant (UTA) at Department of Zoology, University of Delhi (2011-2014).

## EDUCATIONAL QUALIFICATION

Qualification	Institution	Year	Performance
<b>Ph. D. (Molecular Biology)</b>	Department of Zoology University of Delhi, Delhi	2010-2014	Awarded
<b>M. Sc. Zoology (Specialization- Cell Biology)</b>	Department of Zoology, University of Delhi, Delhi	2008-2010	71.6%
<b>B. Sc. (Hons) Zoology</b>	Acharya Narender Dev College, University of Delhi, Delhi	2005-2008	77.5%

## TITLE OF PH.D THESIS

“Modification of rifamycin polyketide synthase gene cluster in *Amycolatopsis mediterranei* S699 and genome analysis of antibiotic producer *Amycolatopsis rifamycinica* 46095.

## MEMBERSHIPS

- Member, American Society for Microbiology (ASM)
- Member, Association of Microbiologists of India (AMI)
- Member, Indian Network Soil Contamination Research (INSCR)

## AWARDS AND ACHIEVEMENT'S

- Gol grant received for project "Producing Novel Therapeutics for Heart Health and Disease The Role of Gut Microbiota" from MSME Idea Hackathon 3.0 (Women)" under the Incubation Component of MSME Innovative Scheme GoI assistance.
- Completed short term FDP entitled " Blended Learning and LMS-MOODLE" under MMTTP of YGC organised by UGC-MMTTC (GAD-MMTTC), Shri Guru Tegh Bahadur Khalsa College, University of Delhi from 2 May to 10 May 2024 and awarded grade A.
- Editorial Board Member of Journal Microsphere E-ISSN number: 2583-5327
- Completed short term NEP 2020 Orientation and Senistization Program under MMTTP of YGC organised by UGC-MMTTC (GAD-MMTTC), Shri Guru Tegh Bahadur Khalsa College, University of Delhi from 2 April to 12 April 2024.
- Co-President, International Student Chapter of American Society for Microbiology, ASM.
- All India Joint CSIR-UGC, Test for Junior Research Fellowship & Eligibility for Lectureship (NET), awarded in 2010.
- Certificate of Recognition as Co-President for the Establishment of American Society for Microbiology (ASM) International Student Chapter at University of Delhi.
- Academic Counsellor for IGNOU study center 38042 for BSC Programme.

## RESEARCH PUBLICATIONS

1. **Saxena A**, Dua A , Kumar M , Roy A and Nigam A. 2024. "A mini-review on influence of physical exercise in remodeling the immune mechanism" 2024, World Journal of Biology Pharmacy and Health Sciences, 18(02), 349–358
2. Dhingra, G.G., **Saxena, A.**, Nigam, A. *et al.* Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences. *Indian J Microbiol* **61**, 111–115 (2021). <https://doi.org/10.1007/s12088-021-00931-9>.
3. Sood U, Dhingra G G, Anand S, Hira P, Kumar R, Kaur J, Verma M, Singhvi N, Lal S, Rawat CD, Singh VK, Kaur J, Verma H, Tripathi C, Singh P, Dua A, **Saxena A**, Phartyal R, Jayaraj P, Makhija S, Gupta R, Sahni S, Nayyar N, Abraham JS, Somasundaram S, Lata P, Solanki R, Mahato NK, Prakash O, Bala K, Kumari R, Toteja R, Kalia VC, Lal R. 2022. "Microbial Journey: Mount Everest to Mars" *Indian Journal of Microbiology* , 62, 323–337 (2022)
4. **Saxena, A.**, Dua, A., Talwar, C., Singh, M and Lal, R. 2022. Environmental impact of the COVID-19 pandemic, *Biosphere*, 1:1-70.

5. **Saxena, A.**, Mukherjee, U., Kumari, R, Singh, P and Lal, R. 2014. Synthetic Biology in Action : Developing a Drug Against MDR-TB. *Ind.J.Microbiol.* 54, 369-375.
6. **Saxena, A.**, Kumar, R., Mukherjee, U., Singh, P and Lal, R. 2014. Draft Genome Sequence of Rifamycin Producer *Amycolatopsis rifamycinica* DSM 46095. *Genome Announc.* 2(4):e00662-14.
7. Nigam, A., Almabruk, K.H., **Saxena, A.**, Yang, J., Mukherjee, U., Kaur, H., Kohli, P., Kumari, R., Singh, P., Zakharov, L.N., Singh, Y., Mahmud and Lal, R. 2014. Modification of Rifamycin Polyketide Backbone Leads to Improved Activity Against Rifampicin –Resistant *Mycobacterium tuberculosis*. *J Biol Chem.* doi:10.1074/jbc.M114.572636. (accepted).
8. Garg, N., Lata, P., Jit, S., Sangwan, N., Singh, A.K., Dwivedi, V., Niharika, N., Kaur, J., **Saxena, A.**, Dua, A., Nayyar, N., Kohli, P., Geuke, B., Kunz, P., Rentsch, D., Holliger, C., Kohler, H-P. E. and Lal, R. 2016. Laboratory and field scale bioremediation of hexachlorocyclohexane (HCH) contaminated soils by means of bioaugmentation and biostimulation. *Biodegradation*. Pp 1-15.
9. Mukherjee U, **Saxena A**, Kumari R, Singh P, Lal R. 2014. Draft genome sequence of *Amycolatopsis mediterranei* DSM 40773, a tangible antibiotic producer. *Genome Announc.* 2: e00752-14.
10. Singh P., Kumari, R., Mukherjee, U., **Saxena, A.**, Sood, U. and Lal, R. 2014. Draft genome sequence of rifamycin derivatives producing strain DSM 46096/S955. *Genome Announc.* 2014 2:e00837-14.
11. **Saxena, A.**, Nayyar, N., Sangwan, N., Kumari, R., Khurana, J.P., and Lal, R. 2013. Genome Sequence of *Novosphingobium lindaniclasticum* LE124<sup>T</sup>, isolated from a Hexachlorocyclohexane (HCH) dumpsite. *Genome Announc.* doi:10.1128/genomeA.00715-13.
12. Verma, M., Lal, D., **Saxena, A.**, Anand, S., kaur, J., Kaur, J. and Lal, R. 2013. Understanding alternative fluxes/effluxes through comparative metabolic pathway analysis of phylum actinobacteria using simplified approach. *Gene.* 531, 306-317.
13. Verma, M., Lal, D., Kaur, J., **Saxena, A.**, Kaur, J., Anand, S. and Lal, R. 2013. Phylogenetic analyses of phylum Actinobacteria based on whole genome sequences. *Res Microbiol:* **164**, 718–728.
14. Malhotra, J., Dua, A., **Saxena, A.**, Sangwan, N., Mukherjee, U., Pandey, N., Raman, R., Khurana, P., Khurana, J, P and Lal, R. 2013. Genome sequence of *Acinetobacter* sp. HA isolated from the gut of polyphagous insect pest *Helicoverpa armigera*. *J Bacteriol.* **194**, 5156-5157.
15. Dua, A., Sangwan, N., Kaur, J., **Saxena, A.**, Kohli, P., Gupta, A.K. and Lal, R. 2013. Draft Genome Sequence of *Agrobacterium* sp. Strain UHFBA-218, Isolated from Rhizosphere Soil of Crown Gall-Infected Cherry Rootstock Colt. *Genome Announc.* 1(3): e00302-13.

16. Dua, A., Malhotra, J., **Saxena, A.**, Khan, F. and Lal, R. 2013. *Devosia lucknowensis* sp. nov., a Bacterium Isolated from Hexachlorocyclohexane (HCH) Contaminated Pond Soil. *J Microbiol.* **51**, 689-694.
17. **Saxena, A.**, Anand, S., Dua, A., Sangwan, N., Khan, F., and Lal, R. 2012. *Novosphingobium lindaniclasticum* s. nov., a hexachlorocyclohexane (HCH) degrading bacterium isolated from HCH dumpsite. *Int J Syst Evol Microbiol.***63**, 2160-2167.
18. **Saxena, A.**, Mukherjee, U., Dua, A and Lal, R. 2012. India Losing Battle against Multi Drug Resistant Tuberculosis. News and Views. *Indian J Microbiol.* **52**, 713.
19. Verma, M., Kaur, J., Kumar, M., Kumari, K., **Saxena, A.**, Anand, S., Nigam, A., Ravi, V., Raghuvanshi, S., Khurana, P., Tyagi, A.K., Khurana, J.P., and Lal, R. 2011. Whole Genome Sequence of Rifamycin B Producing *Amycolatopsis mediterranei* S699. *J. Bacteriol.* **193**, 5562-5563.
20. Anand, S., Bala, K., **Saxena, A.**, and Lal, R. 2011. *Microbacterium amylolyticum* sp. nov., N5T a bacterium isolated from industrial waste soil. *Int. J. Syst. Evol. Microbiol.* **62**, 2114-2120.
21. **Saxena, A.**, Dua, A., Sangwan, N. and Lal, R. 2010. Bacterial nanowires: a new mode of communication. (News and Views). *Indian J. Microbiol.***50**, S144.
22. Anand, S., Malhotra, J., Dua, A., Garg, N., Saxena, A., Sangwan, N., Lal, D., Verma, M., Jindal, S., Kaur, J., Kumari, K., Nigam, A., Niharika, N., Kaur, J., Jit, S., Bala, K., and **Lal, R.** 2010. A New Life in a Bacterium through Synthetic Genome: Landmark experiments by Craig Venter. *Indian. J. Microbiol.* **50**, 125-131.

### Book Chapter

1. Ankita Dua, Aeshna Nigam, **Anjali Saxena**, Gauri Garg Dhingra, and Roshan Kumar. "Microbial Bioproduction of Antiaging Molecules" , *Microbial Bioreactors for industrial molecules*, ISBN :97811198740651, Wiley. Pg 465-486.
2. **Saxena, A.** and Dua, A. 2016. Introduction to Gene Manipulation. *An Introduction to Biotechnology: A GENETIC MANIPULATION PERSPECTIVE*. Pp 52-55. ISBN: 978-93- 84588-86- 1
3. **Saxena, A.** 2016. Transformation. *An Introduction to Biotechnology: A GENETIC MANIPULATION PERSPECTIVE*. Pp 166-175. ISBN: 978-93- 84588-86- 1
4. **Saxena, A.** and Mukherjee, U. 2016. DNA Blot Hybridization. *An Introduction to Biotechnology: A GENETIC MANIPULATION PERSPECTIVE*. Pp 184-195. ISBN: 978-93- 84588-86- 1

5. Anand, S., Malhotra, J., Niharika, N., Lal, D., Jindal, S., Kaur, J., Nigam, A., Garg, N., Lata, P., Kaur, J., Sangwan, N., Singh, AK., Dua, A., **Saxena, A.**, Dwivedi, V., Mukherjee, U., Lal, R. 2013. Bioremediation of Hexachlorocyclohexane (HCH) Pollution at HCH Dumpsite. Springer-Verlag Berlin Heidelberg. 387-404.

## TRAININGS

1. **Project Title** :“Isolation and characterization of actinomycetes and analysis of their antibacterial potential”, **Description** : Worked in Acharya Narender Dev College, University of Delhi in Summer Training Workshop on “**BASIC TECHNIQUES IN MOLECULAR BIOLOGY**” under Dr. Monisha Khanna, A.N.D.College.

## RESEARCH EXPERIENCE

- Genetic Manipulations in Rifamycin Polyketide Backbone to produce novel analogs of Rifamycin B.
- Genome sequencing & Assembly of *Amycolatopsis mediterranei* S699, *Amycolatopsis rifamycinica* 46095, *Novosphingobium lindaniclasticum*.
- Bioremediation at hexachlorocyclohexane (HCH) dumpsite (Biostimulation + Bioaugmentation).
- Isolation and Characterization of bacteria isolated from the contaminated sites.

## KEY SKILLS

### Techniques Known:

**Molecular Biology:** DNA Extraction, Gene Cloning, Gel Electrophoretic separation of plasmid/chromosomal DNA, Restriction digestion of plasmid DNA, Ligation, Transformation of plasmid DNA into Gram positive & Gram-negative bacteria.

- **DNA Sequencing:** Designing of primers and sequencing 16S rRNA gene sequenced by using ABI DNA Sequencer.
- **Microbiology:** Spreading and Sterilization; Basic microbiological techniques for isolation, purification and culture media preparation; Staining techniques; Pour plating; Preparation of bacterial smear; Different types of streaking; Measurement of bacterial growth by turbidometry & Serial dilution technique.
- **Chromatography:** Thin Layer Chromatography (TLC), Column Chromatography and High Performance Liquid Chromatography (HPLC) for isolation and purification

of unknown antibiotics. Gas Chromatography (GC) for the analysis of HCH isomers and their metabolites.

- **Bioinformatics:** Sequence assembly using different softwares, genome assembly using AbySS, Velvet assemblers, Sequence analysis, genome annotation using Artemis (version 10) and RAST, database similarities searches, Multiple sequence alignment, Phylogenetic analysis (Phylip, TreeCon, TreeView), Analytical softwares such as Clone Manager. Bioedit, Ugene. Annotation tools: KAAS, Artemis, KEGG.

### **Proficiency Areas & Informatics:**

- Microsoft Office, Basic Knowledge of C, C++, Smart use of Internet (ICT)

### **CONFERENCES/SYMPOSIUMS/SEMINARS/WORKSHOPS**

- Certificate of Appreciation in recognition of invaluable contribution as **Organizing Committee Member** for the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on ‘Exploring the Microbial World from Human Health to Environmental Sustainability’ and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.
- Certificate of **Organizing Committee Member** during Microsphere 2.0 held on occasion of International Microorganism Day on 17th September 2022 under the aegis of International Microbiology Literacy Initiative (IMiLI), Indian Network for Soil Contamination Research (INSCR), Federation of European Microbiological Sciences (FEMS) & International Society for Microbial Ecology (ISME) in collaboration with Deen Dayal Upadhyaya College (DU), Gargi College (DU), Kirori Mal College (DU), Ramjas College (DU), Shivaji College, (DU), Acharya Narendra Dev College (DU), PG Dept. of Zoology (Magadh University).and SGTB Khalsa College (DU).
- Certificate of **Organizing Secretary** of 7<sup>th</sup> International Conference of INSCR on “Modulating the Environment with Microbes” organized in association with Acharya Narender Dev College (DU), Bhaskaracharya College of Applied Sciences (DU), CMP (PG) College, Prayagraj (AU), Deen Dayal Upadhyaya College (DU), Gargi College (DU), Kirori Mal College (DU), Kalinga Institute of Industrial Technology (KIIT), Miranda House (DU), PG Dept. of Zoology (Magadh University), Ramjas College (DU), School of Allied Sciences (DBUU), Shivaji College (DU), Sri Venkateswara College (DU), SGTB Khalsa College (DU), Phixgen Pvt. Ltd, Gurugram & International Microbial Literacy Initiative: South Asian Centre (IMiLi-SAC) from November 8 to 11, 2022.
- Certificate of **Organizing Committee Member** of 7<sup>th</sup> International Conference of INSCR on “Modulating the Environment with Microbes” organized in association with Acharya Narender Dev College (DU), Bhaskaracharya College of Applied Sciences (DU), CMP (PG) College, Prayagraj (AU), Deen Dayal Upadhyaya College

- (DU), Gargi College (DU), Kirori Mal College (DU), Kalinga Institute of Industrial Technology (KIIT), Miranda House (DU), PG Dept. of Zoology (Magadh University), Ramjas College (DU), School of Allied Sciences (DBUU), Shivaji College (DU), Sri Venkateswara College (DU), SGTB Khalsa College (DU), Phixgen Pvt. Ltd, Gurugram & International Microbial Literacy Initiative: South Asian Centre (IMiLi-SAC) from November 8 to 11, 2022.
- Certificate of Participation in **workshop "LOGIN FEATURE OF COLLEGE WEBSITE" by Wesite and Internet Committee** on 25th October, 21 on Google Meet.
  - Certificate of Participation in **National Webinar on "Drugs for Bad Bugs: Who will win this war?"** by Webinar Series on "Microbiology: From Principles to Applications" organised by Department of Microbiology on 3.9.21 on MS Teams
  - **Certificate of coordinating in Webinar entitled "I write my Own Story"** organised by Department of Zoology, Bhaskaracharya College of Applied Sciences held on 5<sup>th</sup> March, 2021.
  - Certificate of Participation in One Day online **Faculty Development Program on 'Digital Pedagogy and Climate Change Education Across Disciplines'** organized by Sri Venkateswara College, University of Delhi, India in collaboration with TROP ICSU, a Climate Change Education Project by the International Union of Biological Sciences (IUBS), on the 28th August, 2021.
  - Certificate of Participation in online **workshop organized by BCAS NAAC Committee** in association with Mahatma Gandhi National Council of Rural Education, on **Psycho- Social Skills of a Good Helper: Tackling the COVID Pandemic** on 30.6.21.
  - Certification of Participation in **National Webinar on the topic "The End of the Future: Learning from the Climate Crisis"** organized as a part of Short Term Certificate Course on **"Environmental Friendly Teaching Learning Practices"**, on 11 July, 2021 .
  - Organizing **Committee member of Microsphere: An International Outreach Program on ocassion of International Microorganism Day** on 17.9.21 organised by DDU College, GARGI College, IIT Roorkee, KMC College, Ramjas college, PG Zoology Magadh University, ANDC, Venketaswar college and Phixgen, Pvt Ltd.
  - Certificate of **Event Coordinator in Online Workshop "Sparrow Conservation and Nest Building"** organized on the ocassion of Wildlife Conservation Week on 8th October,2021.
  - Certificate of **Appreciation for being the CO-CHAIR during the 6th Annual International Conference of INSCR on "MICROBES IN SUSTAINABLE DEVELOPMENT"** organized in association with the Department of Zoology (DU), Acharya Narendra Dev College (DU), Deen Dayal Upadhyaya College (DU), Gargi College (DU), Kirori Mal College (DU), PG Department of Zoology (MU),Maitreyi College (DU), Ramjas College (DU), Sri Venkateswara College (DU), C.M.P. College (AU), SGTB Khalsa College (DU), COCAS (PU) & PhiXgen Pvt. Ltd., Gurugram from November 15 to 18, 2021.
  - Certificate of **organization of SKILL ENRICHMENT PROGRAM (BASIC) on "Bacterial Genomics & Metagenomics"** as **PROGRAM COORDINATOR**

collaboratively with Dept. of Zoology, Deen Dayal Upadhyaya College (University of Delhi), PG Dept. of Zoology (Magadh University), Bhaskaracharya College of Applied Sciences (University of Delhi), Kirori Mal College (University of Delhi) & PhiXgen Pvt. Ltd., Gurugram, INDIA under the aegis of Synapses, Science Foundation & Deeksharambh, DDUC and Episteme, KMC from 15th January to 7th February 2022.

- Certificate of completion **One week (Online) Interdisciplinary Faculty Development Programme on “Wildlife Conservation and Management”** organized by Daulat Ram College from 4th October to 9th October, 2021.
- Certificate for being **“Organizing Committee Member”** during Annual International Conference **“ Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences”** by The Association of Microbiologists of India and Indian Network for Soil Contamination Research (INSCR) in association with The Energy and Resource Institute (TERI), Department of Zoology, University of Delhi (DU), Indian Agricultural Research Institute (IARI) & Indian National Science Academy held from 3<sup>rd</sup> to 5<sup>th</sup> February, 2021.
- Certificate for being **“Co-Chair”** during **Annual International Conference “ Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences”** by The Association of Microbiologists of India and Indian Network for Soil Contamination Research (INSCR) in association with The Energy and Resource Institute (TERI), Department of Zoology, University of Delhi (DU), Indian Agricultural Research Institute (IARI) & Indian National Science Academy held from 3<sup>rd</sup> to 5<sup>th</sup> February, 2021.
- **Certificate of coordinating** in Webinar entitled “Managing Mental Illness & Promoting Mindfulness” organised by Department of Zoology, Bhaskaracharya College of Applied Sciences held on 17<sup>th</sup> November, 2020.
- **“Certificate of participation”** in Webinar entitled : Covid 19 Pandemic: The Road Map to Recovery, on “Biosafety and Biosecurity” organised by Department of Microbiology, Bhaskaracharya College of Applied Sciences held on 25<sup>th</sup> June, 2020.
- **“Certificate of participation”** in Webinar entitled : Origin of Universe: Scientific and Vedic Perspectives organised by Department of Physics, Bhaskaracharya College of Applied Sciences held on 12<sup>th</sup> June, 2020.
- **Certificate of coordinating** in Webinar entitled “Don’t Hesitate: Vaccinate” organised by Department of Zoology, Bhaskaracharya College of Applied Sciences held on 10<sup>th</sup> November, 2020.
- **“Certificate of participation”** in Webinar entitled : “Botanical Secrets for Wellness: Clued From Nature’s Signature” organised by Department of Botany , Bhaskaracharya College of Applied Sciences held on 16<sup>th</sup> May, 2020.
- **“Certificate of participation”** for attending We Think Digital Webinar held on 10<sup>th</sup> June, 2020.
- Awarded **“Certificate of Organizing”** the ASM Virtual Workshop on ‘Art of Science Communication’ at Chemistry Department, University of Delhi, on 31<sup>st</sup> March, 2014.

- Awarded “**Certificate of Organizing**” the ASM Virtual Workshop on ‘Art of Science Communication’ at Amity University, NOIDA on 26<sup>th</sup> March, 2014.
- Awarded “**Certificate of Organizing**” the ASM Virtual Workshop on ‘Art of Science Communication’ at Maharshi Dayanand University, Rohtak on 4<sup>th</sup> March, 2014.
- Awarded “**Certificate of Completion**” at the ASM Virtual Workshop on ‘Art of Science Communication’ at Indian Institute of Technology (IIT) Roorkee, Uttarakhand on 8<sup>th</sup> February, 2014.
- Awarded “**Certificate of Recognition**” as the Co-President for the Establishment of the ASM International Student Chapter Inaugurated at the 54<sup>th</sup> Annual Conference of the Association of Microbiologists of India held at MDU, Rohtak, Haryana, India from November 17-20, 2013.
  - .
- Awarded “**Certificate of Completion**” at the ASM Virtual Workshop on ‘Culture of responsibility and Art of Science Communication’ at Convention Centre, Jawaharlal Nehru University (JNU), Delhi on 3<sup>rd</sup> September, 2013. .
- Awarded “**Certificate of Completion**” at the ASM Virtual Workshop on ‘Scientific Writing and Publishing’ on 6<sup>th</sup> February, 2013 at Sri Venkateswara College.
- Awarded “**Certificate of Appreciation**” as Staff Organizer in the “Workshop on Basic Techniques in Biotechnology” held at Department of Zoology, Ramjas College, University of Delhi from 11<sup>th</sup>-13<sup>th</sup> October, 2011.
- Certification of Participation in **NSS debate** conducted in Acharya Narender Dev College, University of Delhi, 2005.
- Attended National Symposium on New Frontier In Cell Biology, from 28<sup>th</sup>-30<sup>th</sup> Nov, 2007 organized by Department of Biochemistry Deshbandhu College, University of Delhi.
- Certification of participation in “**International symposium on Microbial Biotechnology**”, 2008.
- **Certification of participation** in 49<sup>th</sup> Annual Conference of Association of Microbiologist of India (AMI), in International Symposium on “Microbial Biotechnology: Diversity, Genomics and Metagenomics” held at University of Delhi, Delhi from 18-20<sup>th</sup> November, 2008.
- **Certification of participation** in International conference of Indo-Swiss Collaboration in Biotechnology (ISCB) entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & other Chlorinated Compounds”, held at University of Delhi from 9<sup>th</sup>-11<sup>th</sup> February, 2011.

- **Certificate of participation** in ISCB International Symposium organized by “Indo-Swiss Collaboration in Biotechnology” entitled “A decade of experience in R&D and Technology Management”, held at Symposium Hall, NASC Complex, New Delhi FROM 10<sup>th</sup>-11<sup>th</sup> March, 2011.

## POSTER PRESENTATIONS

1. Verma, M., Lal, D., Kaur, J., **Saxena, A.**, Kaur, J., Anand, S., and Lal, R. “Understanding phylogeny of Actinobacteria in the light of complete genome sequences”. Poster presented in the 51<sup>st</sup> Annual Conference of the Association of Microbiologists of India entitled “International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges” held at Birla Institute of Technology, Mesra, Ranchi from 14-17<sup>th</sup> December, 2010.
2. Garg, N., Lal, D., Lata, P., **Saxena, A.**, Sangwan, N., Bala, K., Jit, S., and Lal, R. “Bioremediation of HCH contaminated soil by biostimulation and bioaugmentation via application of HCH-degrading consortium”. Poster presented in the 51<sup>st</sup> Annual Conference of the Association of Microbiologists of India entitled “International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges” held at Birla Institute of Technology, Mesra, Ranchi from 14-17<sup>th</sup> December, 2010.
3. Anand, S., Bala, K., **Saxena, A.**, and Lal, R. “Taxonomical characterization of *Microbacterium amylolyticum* sp. nov. Isolated from industrial soil”. Poster presented in the 51<sup>st</sup> Annual Conference of the Association of Microbiologists of India entitled “International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges” held at Birla Institute of Technology, Mesra, Ranchi from 14-17<sup>th</sup> December, 2010.
4. Dua, A., Kumar, A., **Saxena, A.**, and Lal, R. “Taxonomical Characterization Of Novel Strains From A High Dose Point Hexachlorocyclohexane (HCH) Contaminated Dumpsite Using Polyphasic Approach”. Poster presented in the Indo-Swiss Collaboration in Biotechnology (ISCB) International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants” held at University of Delhi, India from 9<sup>th</sup> – 11<sup>th</sup> February, 2011.
5. Garg, N., Lal, D., **Saxena, A.**, Holliger, C., and Lal, R. “Bioremediation Of HCH Contaminated Soil Using Bioaugmentation Approach”. Poster presented in the Indo-Swiss Collaboration in Biotechnology (ISCB) International Conference entitled “Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants” held at University of Delhi, India from 9<sup>th</sup> – 11<sup>th</sup> February, 2011.
6. Nigam, A., **Saxena, A.**, Yang, J., Almabruk K., Mahmud T., and Lal, R. “Genetic manipulations of the Polyketide Synthase (PKS) gene cluster of *Amycolatopsis*

- mediterranei* S699 to produce rifamycin B analogues. Poster presented in the 52<sup>th</sup> Annual Conference of the Association of Microbiologists of India entitled “International Conference on Microbial Biotechnology for Sustainable Development” held at Panjab University, Chandigarh, India from 3-6, Nov 2011.
7. Verma, M., Kaur, J., Kumar, M., Kumari, K., **Saxena, A.**, Anand S., Nigam, A., Ravi, V., Raghuvanshi, S., Khurana, P., Khurana, J.P., Tyagi, A.K., and Lal, R. “Whole Genome Sequence of the Rifamycin B-Producing Strain *Amycolatopsis mediterranei* S699”. Poster presented in the 52<sup>th</sup> Annual Conference of the Association of Microbiologists of India entitled “International Conference on Microbial Biotechnology for Sustainable Development” held at Panjab University, Chandigarh, India from 3-6, Nov 2011.
  8. **Saxena, A.**, Mahmud, T., and Lal, R. “Genetic Manipulation of Polyketide Synthase (PKS) Gene Cluster of *Amycolatopsis mediterranei* S699 to produce Rifamycin B Analogues”. Poster presented in the 53<sup>rd</sup> Annual Conference of Association of Microbiologists of India (AMI) entitled “Microbial World: Recent Innovations and Future Trends” held at KIIT University, Bhubaneswar, India from 22<sup>nd</sup> – 25<sup>th</sup> November, 2012.
  9. Dua, A., Negi, V., Malhotra, J., **Saxena, A.**, Sangwan, A., Mukherjee, U., Pandey, N., Rajagopal, R., Khurana, P., Khurana, J.P., and Lal, R. “Genome Sequence of *Acinetobacter* sp. Strain HA, Isolated from Gut of Polyphagus Insect Pest *Helicoverpa armigera*”. Poster presented in the 53<sup>rd</sup> Annual Conference of Association of Microbiologists of India (AMI) entitled “Microbial World: Recent Innovations and Future Trends” held at KIIT University, Bhubaneswar, India from 22<sup>nd</sup> – 25<sup>th</sup> November, 2012.
  10. **Saxena, A.**, Mahmud, T., and Lal, R. “Genetic Manipulation of Polyketide Synthase (PKS) Gene Cluster of *Amycolatopsis mediterranei* S699 to produce Rifamycin B Analogues”. Poster presented in the first INSCR conference held at Amity University, Noida, India on 15<sup>th</sup> January, 2013.
  11. Dua, A., Negi, V., Malhotra, J., **Saxena, A.**, Sangwan, A., Mukherjee, U., Pandey, N., Rajagopal, R., Khurana, P., Khurana, J.P., and Lal, R. “Genome Sequence of *Acinetobacter* sp. Strain HA, Isolated from Gut of Polyphagus Insect Pest *Helicoverpa armigera*”. Poster presented in the first INSCR conference held at Amity University, Noida, India on 15<sup>th</sup> January, 2013.
  12. Nayyar, N., **Saxena, A.**, and Lal, R. “*Novosphingobium lindaniclasticum* sp. nov. A hexachlorocyclohexane (HCH) degrading bacterium isolated from dumpsite”. Poster presented in the first INSCR conference held at Amity University, Noida, India from 15<sup>th</sup> January, 2013.
  13. **Saxena, A.**, Almabruk, K., Mukherjee, U., Kohli, P., Yang, J., Mahmud, T., and Lal, R. A fight against tuberculosis: generating novel rifamycin analogues. Poster presented in the 54<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI) held at MDU, Rohtak, Haryana, India from 17<sup>th</sup> – 20<sup>th</sup> November, 2013.

## PERSONAL PROFILE

<b>Date of Birth</b>	14.03.1986
<b>Permanent Address</b>	A-14, Shivalik, Near Malviya Nagar, Delhi-110017
<b>Contact no.</b>	9891251148