




## Shivaji College Faculty Details Proforma

<b>Title</b>	Dr	<b>First Name</b>	Ankita	<b>Last Name</b>	Dua	<b>Photograph</b>
<b>Designation</b>	Assistant Professor					
<b>Address</b>	Department of Zoology, Shivaji College, New Delhi-110027					
<b>Office Phone No.</b>						
<b>Residence</b>						
<b>Mobile</b>						
<b>Email</b>	ankitadua1987@gmail.com					
<b>Web-Page</b>						
<b>Educational Qualifications</b>	B.Sc, M.Sc, PhD					
<b>Degree</b>				<b>University/Institute</b>	<b>Year</b>	
<b>Ph.D.</b>				University of Delhi	2014	
<b>M.Phil./M.Tech.</b>				NA		
<b>PG</b>				Hindu College, University of Delhi	2010	
<b>UG</b>				Sri Venkateswara College, University of Delhi	2008	
<b>Any Other Qualification</b>						
<b>Career Profile</b>						

**Assistant Professor in Shivaji College, University of Delhi** (16<sup>th</sup> September, 2014- till date)  
Have taught students of B.Sc. (H) Zoology ( I, IInd and IIIrd year), B.Sc. (P) Life Sciences (IInd and IIIrd year), B. Sc. (H) Chemistry (Ist year) and B.Sc. (P) Physical Sciences and Applied Physical Sciences.

**University Teaching Assistant** (June, 2011 – June, 2014)  
Assisted professors in teaching master courses in the Department of Zoology, University of Delhi, India.

**Administrative Assignments**

**Has been an active part of the NAAC Team of Shivaji College at the time of visit in 2015. Currently member of the College Purchase Committee.**

**Areas of Interest/Specialisation**

**Specialization: Molecular Biology**

**Subjects Taught**

**Evolutionary Biology, Applied Biotechnology, Immunology, Diversity of Chordata, Medical Diagnostics**

**Innovation Project/Research Projects (Major Grants/Research Collaboration)**

**Principal Investigator** University Innovation Project (Session 2016-17): Lifestyle Disorders: Etiology, Awareness & Management (SHC-311)

**Publications Profile (Research Papers/Books)**

1. Malik, D., Thakur, J. & **Dua, A.** 2017. Psychotherapy: Talking therapy for mental illness. Conference Proceedings at International Conference on Role of Arts, Culture, Humanities, Religion, Education, Ethics, Philosophy, Spirituality & Science for Holistic Societal Development. Pp 136. [ISBN: 978-93-85822-42-1]
2. Malik, D., Thakur, J., **Dua, A.**, Aggarwal, J. & Chumbak, T. 2016. Estimation of blood glucose, serum calcium & blood pressure as measures of risks of lifestyle disorders in young adults. International Journal of Biotechnology and Biomedical Sciences. Vol 2(3): 25. [ISSN: 2454-4582]
3. Malik, D., Thakur, J., **Dua, A.**, Aggarwal, J. & Nijhawan, S. 2016. Irregularities of the Ovarian Cycle in Young Females: Etiology, Awareness and Management. International Journal of Biotechnology and Biomedical Sciences. Vol 2(1): 57-59 [ISSN: 2454-4582]
4. Malik, D., Thakur, J., **Dua, A.**, Aggarwal, J. & Nijhawan, S. 2016. Lifestyle Disorders: A Case Study of Quetelet's Index and WHR in Undergraduate Students. Proceedings of International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness 2016, pp 232-236 [ISBN: 978-93-85822-10-0]
5. Malik, D., Thakur, J., Aggarwal, J., **Dua, A.**, Nijhawan, S., Kumar, A., Kaur, K., Aggarwal, H., Mehta, D., Verma, H., Subhasis, Sheetal, Singh, A., GM Akshay & Yadav, M. 2016. Quetelet's Index and Body Fat Percentage Assessment in Indian Undergraduate Students. DU Journal of Undergraduate Research and Innovation. 2(1):56-69. [ISSN: 2395-2334]
6. 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 179-193. [ISSN: 0923-9820 ; IMPACT FACTOR: 2.208]
7. Malhotra J., Aparna K., **Dua A.**, Sangwan N., Trimurtulu N., Rao DLN and Lal R. 2015. Microbial and genetic ecology of tropical Vertisols under intensive chemical farming. *Environ. Monit. Assess.* **187**:4081. [ISSN: 0167-6369 ; IMPACT FACTOR: 1.633]
8. **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(5)**:689-94. [ISSN: 1225-8873 ; IMPACT FACTOR: 1.621]
9. **Dua, A.**, Sangwan, N., Kaur, J., Saxena, A., Kohli, P., Gupta, A.K. and Lal, R. 2013. Draft genome sequence of *Agrobacterium* sp. UHFBA-218 isolated from rhizosphere soil of crown gall infected *Prunus* sp. rootstalk-Colt. *Genome Announc.* 1(3):e00302-13. [ISSN: 2169-8287; IMPACT FACTOR: 1.18]
10. Kaur, P., **Dua, A.**, Sangwan, N., Oldach, P., Khurana, J.P. and Lal, R. 2013. Draft genome sequence of *Sphingobium ummariense* Strain RL-3, a hexachlorocyclohexane-degrading bacterium. *Genome Announc.* 1(6):e00956-13. [ISSN: 2169-8287; IMPACT FACTOR: 1.18]
11. Jindal S., **Dua, A.** and Lal, R. 2013. *Sphingopyxis indica* sp. nov., isolated from a high dose point hexachlorocyclohexane (HCH) contaminated dumpsite. *Int. J. Sys. Evol. Microbiol.* **63**: 2186-2191. [ISSN: 1466-5026; IMPACT FACTOR: 2.782]
12. Malhotra, J., **Dua, A.**, Saxena, A., Sangwan, N., Mukherjee, U., Pandey, N., Raman, R., Khurana, P., Khurana, J.P. and Lal, R. 2012. Genome sequence of *Acinetobacter* sp. HA isolated from the gut of polyphagous insect pest *Helicoverpa armigera*. *J. Bacteriol.* **194**, 5156. [ISSN: 0021-9193; IMPACT FACTOR: 2.688]

13. Saxena, A., Anand, S., **Dua, A.**, Sangwan, N., Khan, F and Lal, R. 2012. *Novosphingobium lindaniclasticum* sp. nov., a hexachlorocyclohexane (HCH) degrading bacterium isolated from HCH Dumpsite. *Int. J. Sys. Evol. Microbiol.* **63**: 2160-2167. [ISSN: 1466-5026; IMPACT FACTOR: 2.782]
14. Sangwan, N., Lata, P., Dwivedi, V., Singh, A., Niharika, N., Kaur, J., Anand, S., Malhotra, J., Jindal, S., Nigam, A., Lal, D., **Dua, A.**, Saxena, A., Garg, N., Verma, M., Kaur, J., Mukherjee, U., Gilbert, J.A., Dowd, S.E., Raman, R., Khurana, P., Khurana, J.P., and Lal, R. 2012. Comparative metagenomic analysis of soil microbial communities across three hexachlorocyclohexane contamination levels. *PLoS One* : 7, e46219. [ISSN: 1932-6203; IMPACT FACTOR: 3.234]
15. Anand, S., Sangwan, N., Lata, P., Kaur J., **Dua, A.**, Singh, A., Verma, M., Kaur, J., Khurana, J.P., Khurana, P., Mathur, S. and Lal, R. 2012. Genome sequence of *Sphingobium indicum* B90A, a hexachlorocyclohexane-degrading bacterium. *J. Bacteriol.* **194**, 4471-4472. [ISSN: 0021-9193; IMPACT FACTOR: 2.688]
16. 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. and Lal, R. 2010. A new life in a bacterium through synthetic genome: landmark experiments by Craig Venter. *Indian J. Microbiol.* **50**, 125-131. [ISSN: 0046-8991; IMPACT FACTOR: 1.143]
17. 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. [ISSN: 0046-8991; IMPACT FACTOR: 1.143]
18. 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. [ISSN: 0046-8991; IMPACT FACTOR: 1.143]

#### Chapters in Books:

1. **Dua, A.**, Verma, A., Hira, P. and Shakarad, M. 2016. Visualization of Nucleic Acids and Proteins. An Introduction to Biotechnology: A GENETIC MANIPULATION PERSPECTIVE. Pp 100-111. [ISBN: 978-93-84588-86-1; I.K. International Publishing House Pvt. Ltd., New Delhi, India]
2. **Dua, A.** and Mukherjee, U. 2016. Isolation of plasmid DNA. An Introduction to Biotechnology: A GENETIC MANIPULATION PERSPECTIVE. Pp 83-94. [ISBN: 978-93-84588-86-1; I.K. International Publishing House Pvt. Ltd., New Delhi, India]
3. 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; I.K. International Publishing House Pvt. Ltd., New Delhi, India]
4. **Dua, A.** and Nigam, A. 2016. Faces of courage: Acid attack survivors. Utkarsha. [ISBN: 978-81-86845-41-0; Prithavi Prakashan, New Delhi, India]
5. Nigam, A. and **Dua, A.** 2015. Running Out of Time: The Decline of Great Indian Bustard. Wild life Management: Concept, analysis and management. Pp 247-257 [ISBN: 9789351247920; [Daya Publishing House® A Division of Astral International Pvt. Ltd., New Delhi, India](#) ]
6. **Dua, A.** and Nigam, A. 2015. XX vs XY: The richer sex? Sansrishti: Creator of good things. pp 62-65. [ISBN: 978-81-86845-38-0; Prithavi Prakashan, New Delhi, India]
7. Anand, S., Malhotra, J., Niharika, N., Lal, D., Jindal, S., Kaur, J., Nigam, A., Garg, N., Lata, P., Kaur, J., Sangwan, N., Singh, A.K., **Dua, A.**, Saxena, A., Dwivedi, V., Mukherjee, U., Lal, R. 2013. Bioremediation of hexachlorocyclohexane (HCH) pollution at HCH Dumpsites. Springer-Verlag Berlin Heidelberg. 387-404. [ISBN: 978-3-642-36142-5]

## Conference/Seminar/Faculty Development Programme/Workshop

### CONFERENCES:

- INSCR International Conference 2017 on “Role of Microbe-Plant-Animal Interactions in Human Health” from September 26-28, 2017 Organized by University of Delhi
- International Conference on “Role of Arts, Culture, Humanities, Religion, Education, ethics, Philosophy, Spirituality & Science for Holistic Societal Development” Organized by Krishi Sanskriti Publications on 19<sup>th</sup> March, 2017 at Jawaharlal Nehru University
- 4<sup>th</sup> International Conference on Science and Arts of Holistic Health: Issues, Challenges, Opportunities, Prevention, Awareness (Holistic Health: 2017) Organized by Krishi Sanskriti on 25<sup>th</sup> February, 2017 at Jawaharlal Nehru University
- 2<sup>nd</sup> International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016) Organized by Krishi Sanskriti on 21<sup>st</sup> May, 2016 at Jawaharlal Nehru University
- International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016) Organized by Daulat Ram College & Krishi Sanskriti on 15<sup>th</sup> - 16<sup>th</sup> January, 2016 at Daulat Ram College, University of Delhi, Delhi
- 56<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI) held at JNU, Delhi, India from December 7-10, 2015.
- 54<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI) held at MDU, Rohtak, Haryana, India from November 17-20, 2013.
- INSCR conference held at Amity University, Noida, India on 15<sup>th</sup> January, 2013.
- 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
- 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.
- 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.
- 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 December 14<sup>th</sup> – 17<sup>th</sup>, 2010.
- 49<sup>th</sup> Annual Conference of the Association of Microbiologists of India entitled “International Symposium on Microbial Biotechnology: Diversity, Genomics & Metagenomics” held at University of Delhi, Delhi from 18<sup>th</sup> – 20<sup>th</sup> November, 2008.

### SEMINARS:

- One-day National Seminar on “Natural Products: Application in Human Welfare” on 27<sup>th</sup> June 2013, organized at Ramjas College, University of Delhi, Delhi-110007.

### SYMPOSIA:

- National Symposium on “Lifestyle Disorders: Understanding the molecular Mechanisms” held at Shivaji College from 28<sup>th</sup>-29<sup>th</sup> January, 2016.
- National Symposium on Man Made Diseases: An Urban Menace held at Maitreyi College from 11<sup>th</sup>-12<sup>th</sup> February, 2016

- Indo-Swiss Collaboration in Biotechnology (ISCB) International Symposium organized by ISCB “A Decade of Experience in R&D and Technology Management” held in NASC Complex, New Delhi, India from 10<sup>th</sup> – 11<sup>th</sup> March, 2011.

**WORKSHOPS:**

- Two day National Workshop on “Skill Development to Build A Clean India” at Deshbandhu College, University of Delhi on 7<sup>th</sup> -8<sup>th</sup> June, 2018.
- Workshop for Laboratory staff in Chemical and Life Sciences’ from May 31<sup>st</sup> – 03<sup>rd</sup>, June, 2016 in Shivaji college, University of Delhi
- Sharing Science, Rising Together - An Interdisciplinary Workshop for the Faculty of Science Departments of Shivaji College organized on 24<sup>th</sup> September and 1<sup>st</sup> October, 2016
- One day workshop on “Biochemistry of Metabolic Processes” held on 2<sup>nd</sup> February, 2015 at Kirori Mal College, University of Delhi, Delhi-110007.
- ASM Virtual Workshop on ‘Art of Science Communication’ at the Department of Chemistry, University of Delhi on 31<sup>st</sup> March, 2014.
- ASM Virtual Workshop on ‘Art of Science Communication’ at Amity University, Noida on 26<sup>th</sup> March, 2014.
- ASM Virtual Workshop on ‘Art of Science Communication’ at the Platinum Jubilee International ASM-AMI Workshop at Maharshi Dayanand University, Rohtak, Haryana on 4<sup>th</sup> March, 2014.
- ASM Virtual Workshop on ‘Art of Science Communication’ at Indian Institute of Technology (IIT) Roorkee, Uttarakhand on 8<sup>th</sup> February, 2014.
- ASM Virtual Workshop on Scientific Writing and Publishing on 6<sup>th</sup> February, 2013 at Sri Venkateswara College.
- 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.
- 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.

**Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)**

NA

**Awards and Distinctions**

- Received “**Certificate of appreciation**” for project titled “Lifestyle disorders: Etiology, Awareness & Management” for being selected for research display at the Convention Centre, by University of Delhi on November 19<sup>th</sup>, 2016.
- Received certificate for project with “**Most Significant Societal Impact**” at the Research Display at the Convention Centre, , on November 19<sup>th</sup> , 2016.
- Awarded “**Certificate for being Resource Person**” in the ‘Workshop for Laboratory staff in Chemical and Life Sciences’ from May 31<sup>st</sup> – 03<sup>rd</sup>, June, 2016 in Shivaji college, University of Delhi
- Awarded “**Certification of participation**” in one day workshop on “Biochemistry of Metabolic Processes” held on 2<sup>nd</sup> February, 2015 at Kirori Mal College, University of Delhi, Delhi-110007.
- Awarded “**Certificate for Organizing**” the ASM Virtual Workshop on ‘Art of Science Communication’ at the Department of Chemistry, University of Delhi on 31<sup>st</sup> March, 2014.
- Awarded “**Certificate for Organizing**” the ASM Virtual Workshop on ‘Art of Science Communication’ at Amity University, Noida on 26<sup>th</sup> March, 2014.
- Awarded “**Certificate for Organizing**” the ASM Virtual Workshop on ‘Art of Science Communication’ at the Platinum Jubilee International ASM-AMI Workshop at Maharshi Dayanand University, Rohtak, Haryana 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.
- 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.
- 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 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 ‘Art of Science Communication’ at Indian Institute of Technology (IIT) Roorkee, Uttarakhand on 8<sup>th</sup> February, 2014.
- Awarded “**Best Poster Award**” at 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 for presenting the poster entitled “Genome Sequence of *Acinetobacter* sp. Strain HA, Isolated from Gut of Polyphagus Insect Pest *Helicoverpa armigera*”.
- Awarded **CSIR-JRF** (All India Test for Junior Research Fellowship & Eligibility for Lectureship) in 2010.
- Selected for the “**Science Meritorious Award**” by the University of Delhi for the academic year 2006-2007.
- Secured **IIIrd position in UDSC** examination in both 2007 and 2008.

- Awarded the ‘**Dr. O.B. Tandon Memorial Gold Medal**’, “**Bharatula Savitri Memorial Cash Prize**”, “**Balaji Merit Medal**” and “**Mrs. P. Gupta Meritorious Medal**” for securing highest marks in B. Sc. (H) Zoology in Sri Venkateswara College in 2008.
- Awarded **Certificate of Merit** for Active Participation as “**President of Chiasma**”, the Zoological Society of Sri Venkateswara College.

### **Memberships**

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

### **Other Academic Activities**

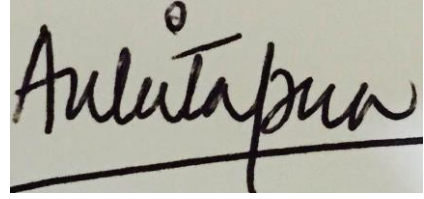
#### **Activities in Shivaji college:**

- Was the resource person in INSPIRE camp 14-18<sup>th</sup> December, 2016 held in Shivaji College, University of Delhi
- Was the resource person in the ‘Workshop for Laboratory staff in Chemical and Life Sciences’ from May 31<sup>st</sup> – 03<sup>rd</sup>, June, 2016 in Shivaji college, University of Delhi
- Organized an educational trip to Department of Anthropology to educate the students on the Evolution of Human/Mankind on 6<sup>th</sup> April, 2017
- Organized an educational trip to Department of Geology to educate the students on the Evolution of Human/Mankind on 6<sup>th</sup> April, 2018
- Helped in the successful organization of the annual Zoology fest ‘Oyster, 2018’ of Shivaji college as well as conducted the entire programme on stage.

### **Cultural/Extracurricular Activities**

Organized various health camps in the premises of Shivaji College as Project Investigator of SHC-311.



A handwritten signature in black ink on a light-colored background. The signature is written in a cursive style and reads "Anulata Puro". There is a small circle above the letter 'a' in "Anulata". A horizontal line is drawn below the signature.

**Signature of Faculty Member**