




Shivaji College Faculty Details Proforma

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| Title | | First Name | | Last Name | | Photograph |
| Dr | | Jayita | | Thakur | |  |
| Designation | Assistant Professor | | | | | |
| Address | C-9087 Vasant Kunj New Delhi -110070 | | | | | |
| Office Phone No. | | | | | | |
| Residence | | | | | | |
| Mobile | 9717675282 | | | | | |
| Email | jayita.t@gmail.com | | | | | |
| Web-Page | | | | | | |
| Educational Qualifications | Ph.D. | | | | | |
| Degree | University/Institute | | | | | |
| Ph.D. | National Institute of Immunology | | | | | |
| M.Phil./M.Tech. | NA | | | | | |
| PG | Banaras Hindu University | | | | | |
| UG | Nagpur University | | | | | |
| Any Other Qualification | NA | | | | | |
| Career Profile | | | | | | |
| Assistant Professor, Department of Biochemistry, Shivaji College 2013- Present Along with academic duties, I am actively involved in researchwork. I was a part of two Innovation projects, funded by the University of Delhi. We have published the findings of our research in peer reviewed research journals. | | | | | | |

| Administrative Assignments |
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| <p>Member, Eco-Club 2015-17</p> <p>Member, Magazine Committee 2016-17</p> <p>Member, Purchase Committee 2018-19</p> <p>Teacher-in-Charge, 2016-17</p> |
| Areas of Interest/Specialisation |
| Biochemistry, Molecular Virology, Cell Biology, Immunology, Biotechnology, Protein-protein interactions, Molecular Biology |
| Subjects Taught |
| Proteins, Proteins and Enzymes, Cell Biology, Membrane Biology and Bioenergetics,, Genetics, Immunology, Tools and Techniques, Recombinant DNA Technology, Genetic Engineering and Recombination, |
| Innovation Project/Research Projects (Major Grants/Research Collaboration) |
| <ol style="list-style-type: none">1. Lifestyle Disorders: Etiology, Awareness & Management (Innovation Project SHC-311, University of Delhi)2. Biochemical assessment of toxic heavy metals in bacterial strain growing in the polluted water: A step towards Bioremediation (Innovation Project SHC-203, University of Delhi) |
| Publications Profile (Research Papers/Books) |
| <ol style="list-style-type: none">1. Darshan Malik, Jayita Thakur, Ankita Dua, Jeetendra Aggarwal, Trivendra Chumbak, Shashi Nijhawan, Abhishek Kumar, Kamalpreet Kaur, Himanshi Aggarwal, Diksha Mehta, Hritika Verma, Subhasis, Sheetal, Aakanksha Singh, Akshay GM and Mithilesh Yadav. A Study of Lung Health Status and its Implications in Undergraduate Students (Accepted, February 2018). DU Journal of Undergraduate Research and Innovation.2. Malik, D., Thakur, J., Dua, A. and Aggarwal, J. (2017) "Estimation of blood glucose, serum calcium and blood pressure as measures of risks of Lifestyle disorders in young adults", Conference proceedings of 4th International Conference on Science and Arts of Holistic Health: Issues, challenges, opportunities, prevention, awareness (Holistic Health: 2017) held at Jawaharlal Nehru University, New Delhi, on 25 th February, 2017.3. Darshan Malik, Jayita Thakur, Jeetendra Aggarwal, Ankita Dua, Shashi Nijhawan, Abhishek Kumar, Kamalpreet Kaur, Himanshi Aggarwal, Diksha Mehta, Hritika Verma, Subhasis, Sheetal, Aakanksha Singh, Akshay GM and Mithilesh Yadav. Quetelet's Index and Body Fat Percentage Assessment in Indian Undergraduate Students. DU Journal of Undergraduate Research and Innovation Volume 2, Issue 1 pp 56-69, 20164. Darshan Malik, Jayita Thakur, Ankita Dua, Jeetenra Aggarwal and Shashi Nijhawan |

- Lifestyle disorders: A Case Study of Quetelet's Index and WHR in undergraduate students. (2016). Proceedings of International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness. ISBN-978-93-85822-10-0; pp 232-236.
5. Darshan Malik, **Jayita Thakur**, Ankita Dua, Jeetendra Aggarwal & Shashi Nijhawan. Irregularities of the Ovarian Cycle in Young Females *Etiology, Awareness and Management*. International Journal of Biotechnology and Biomedical Sciences. 2(1):57-59, 2016 pISSN 2454-4582
 6. Thakur, J. and Malik, D. (2016). Cardiovascular diseases and Yoga: Non Pharmacological Interventions International Journal of Biotechnology and Biomedical Sciences. Vol 2(2), pp134-138
 7. **Jayita Thakur**, Darshan Malik, Sunita Singh & Shashi Nijhawan (2016) Chapter on Wild Tigers: A battle for survival in book on Wildlife Management: *Concept, Analysis and Conservation*, Pages 197-202, Edited by *Amita Saxena*, Daya Publishing House, New Delhi 110002, ISBN: 978-81-70305.
 8. **Jayita Thakur** & Darshan Malik. Cyber Crime and Women - The Indian Perspective. Sanshrishti: Creator of good things (2015) ISBN978-81-86845-38-0
 9. Darshan Malik, Promita Thakur, Sunita Singh, Jayita Thakur And Shashi Nijhawan Chapter 7: Defining Fashion: Examining Evolving Trends From A Socio-Historical Perspective. *Women Empowerment through Skill Development*. Editor: Amita Saxena Edition: 2015. Discovery Publishing House Pvt. Ltd., New Delhi (India). ISBN: 978-93-5056-756-2
 10. Malik D, Singh S, **Thakur J**, Kishore R, Kapur A, Nijhawan S; Microbial Fuel Cell: Harnessing Bioenergy from Yamuna Water (2014) 3 (6): 1076-1081., Research Paper, International Journal of Science and Research.
 11. Sunita Singh, Darshan Malik, **Jayita Thakur**, Amarjeet Kaur, Raj Kishore Singh and, Shashi Nijhawan. A Comparative Analysis of the Physico-chemical Properties and Heavy Metal Pollution In Three Major Rivers Across India. International Journal of Science and Research (2014) Vol. 3(8):1936-41.
 12. Darshan Malik, **Jayita Thakur**, Sunita Singh, Raj Kishore Singh, Anita Kapur, Amarjeet Kaur, Shashi Nijhawan, Anil Kumar. Nanocomposite Electrode Microbial Fuel Cell: A Promising Technology for Enhanced Power Generation from Yamuna Water (2014), Research Paper, International Journal of Science and Research.
 13. Sunita Singh, Darshan Malik, **Jayita Thakur**, Amarjeet Kaur, Raj Kishore Singh and, Shashi Nijhawan A Comparative Analysis of the Physico-chemical Properties and Heavy Metal Pollution In Three Major Rivers Across India. International Journal of Science and Research (2014) Vol. 3(8):1936-41
 14. Darshan Malik, Sunita Singh, **Jayita Thakur**, Raj Kishore Singh, Amarjeet Kaur, and Shashi Nijhawan. Heavy Metal Pollution of the Yamuna River: An Introspection. *Int. J. Curr. Microbiol. App. Sci.* (2014) 3(10) 856-863
 15. Malik, D., Singh, S., Kaur, A., **Thakur, J.** and Nijhawan, S. 2014. Oxidative Burst: Biochemical implications of metal toxicity. Journal of Biotechnology and Crop Sciences.

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16. **Jayita Thakur**, Darshan Malik, Shashi Nijhawan and Sunita Singh, Co- Author, Situating Women in modern Science: The India Scenario, Mini Review, Journal of Academic Research for Multidisciplinary (2014); 3(7)- 937-94 4.
17. Sunita Singh, Shashi Nijhawan, **Jayita Thakur**, Parul Malik, Darshan Malik. Identity Negotiation: The Paradigm Shift of the Indian Women. Journal Of International Academic Research For Multidisciplinary, Volume 2, Issue 7, August 2014; ISSN: 2320-5083

Conference/Seminar/Faculty Development Programme/Workshop

1. **Paper Presentation** on: "Lifestyle disorders: A Case Study of Quetelet's Index and WHR in undergraduate students". International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (2016). Daulat Ram College, University of Delhi from January 15-16, 2016
2. **Poster Presentation:** National Symposium on Man Made Diseases: An Urban Menace 11-12th February, 2016 Maitreyi College, University of Delhi.
3. **Poster Presentation:** 56th Annual Conference, 2015 07-10 December, 2015 Association of Microbiologists of India
4. **Paper Presentation** on: "Microbial Fuel Cell: Harnessing green energy from Yamuna water" at IC-Life 2014, International Conference on Life Sciences, Informatics, Food and environment held at Jaypee Institute of Information & Technology, Noida.
5. **Poster Presentation** on: "Epilepsy: Etiology and Symptoms, Management; focusing on the elderly patients" at Epicon-2014; International conference on Epilepsy held at Khalsa College, University of Delhi from Oct 30-Nov 1, 2014. **Poster Presentation** on: "Pediatric Epilepsy: Etiology and symptoms" at Epicon-2014; International conference on Epilepsy held at Khalsa College, University of Delhi from Oct 30-Nov 1, 2014.
6. **Poster presentation** in National Conference UMCCD-2014 on "Neurodegenerative Disorders: Molecular Mechanism of Alzheimer's Disease, A Risk Factor for Epileptic seizures?" at Shaheed Rajguru College of Applied Sciences for women from 29th -30th December, 2014.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

Awards and Distinctions

1. Awarded **Best Oral Presentation** at the International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016), Organized by Daulat Ram College, University of Delhi, New Delhi, India and Krishi Sanskriti, New Delhi, India on 15th and 16th January, 2016
2. Awarded **Certificate for project with Most Significant Societal Impact** during Research Display at the Convention Centre, University of Delhi on 19th November, 2016.

3. Awarded **Certificate of Appreciation** for project titled — Lifestyle disorders: Etiology, Awareness & Management by University of Delhi on 19th November, 2016.
4. Awarded **Best Display** under the theme “Environment” in Antardhwani, DU Innovation plaza, University of Delhi. (2015)
5. **1st Prize for best oral presentation** in IC-LIFE 2014. International Conference on Life Sciences, Informatics Food and Environment. Organised by Jaypee Institute of Information Technology. (New Delhi, India)
6. **1st Prize for poster presentation** in Epicon-2014. International Conference on Epilepsy: Opportunities and Challenges (2014). Sri Guru Teg Bahadur Khalsa College, University of Delhi. (New Delhi, India).
7. Qualified Fellowship Exam for **Junior Research Fellow** held by Council for Industrial & Scientific Research (CSIR), India.

Memberships

Member, Proteomics Society of India

Other Academic Activities

Convener and Resource person in —*Workshop for the Laboratory Staff of Chemical and Life Sciences*, Shivaji College, University of Delhi (31st May - 3rd June, 2016)

Convener of BioFest 2016 (annual academic festival of the Department of Biochemistry), Shivaji College, University of Delhi.

Convenor of BioChaperones 2017 (Annual academic festival of the Department of Biochemistry), Shivaji College, University of Delhi.

Chief Editor of Biokemi 2016 & 2017 (Annual edition of the Biochemistry Magazine, released by speakers of eminence), Shivaji College, University of Delhi.

Resource person in INSPIRE Science Camp, organized by Shivaji College, funded by the Department of Science and Technology, Government of India (14th-18th December, 2016)

Resource Person in —*Sharing Science, Rising Together - An Interdisciplinary Workshop for the Faculty of Science Departments of Shivaji College*, Shivaji College, University of Delhi (24th September and 1st October, 2016)

Resource Person at the “*National Symposium on Lifestyle Diseases: Understanding the molecular mechanisms*” Shivaji College, University of Delhi (28th & 29rd December 2016).

Resource Persons at for the INSPIRE Science Camp 2015 Science Camp, organized by Shivaji College, funded by the Department of Science and Technology, Government of India. (19th to 23rd December 2015).

Cultural/ Extracurricular Activities

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Jayita Thakur
Signature of Faculty Member