

Supriya Dixit

Lucknow, Uttar Pradesh,
India

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For Assignment in **Publishing, Editorial Management, Research writing, Journal life cycle management, Indexing Development, Training, Relationship Management, Publishing Ethics, Communication, Learning and Orientation**

Objective:

To utilize my computational and IT skills to tackle new challenges in a research, academic institute or organization, where I get an opportunity to utilize my knowledge and analytical skills for performing task management and reports.

Professional Deliverables:

1. Currently working as **Research Analyst** at Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly.

Key Deliverables: Assisting researchers to structure their research design, Professional content editing, Proof reading and Copy editing, Research proposals assistance, Language editing, Medical content presentation

2. Working as freelance and providing editorial input in research articles and few books.

Work profile: Align the similarity pattern of content with style sheet of particular journal/book.

3. As **Research Assistant**, worked at CST sponsored project entitled “*In-silico* approaches in improvising novel strains of *Trichoderma spp*”

Organization Name: Chandra Shekar Azad University of Agriculture & Technology, Kanpur.

Duration: 3 years (February, 2016 to February, 2019)

4. As **Guest Faculty**, visited Bioinformatics Infrastructure Facility Center, D.G (P.G) College, Kanpur.

Duration: March 2014 – 8 February 2016.

Internship/Traineeship:

1. As **Intern**, worked at Avantur Technologies PVT.LTD., NewDelhi.

Duration: August 2020 – December 2020

2. Completed **Short Term Training in Basics and Current Scenario of IPR** from NeoFerra Solutions Pvt. Ltd., Lucknow.

Duration: August 2020 – February 2021

3. As **Trainee**, worked at Bioinformatics Infrastructure Facility Center, D.G (P.G) College, Kanpur.

Duration: October 2013 – February 2014.

Deliverables:

- To plan, monitor and evaluate own work like small-scale research methodology and statistical procedures.
- Processing and analysing results and data.
- Communicating results to the scientific community via published papers.
- Teaching, demonstrating to or supervising students (in academia) and training and supervising other members of staff;
- Devising or helping to draw up new research proposals and applying for funding and grants;
- Working in multidisciplinary teams, in different faculties in academia.

Educational Qualification:

❖ **Ph.D. Bioinformatics** (December 2013 - Present), Dr. A.P.J, Abdul Kalam Technical University, Uttar Pradesh, Lucknow.

❖ **M.Sc. in Bioinformatics** (2010-2012), Banasthali University

❖ **Projects:**

1. Major project on “Biological interaction network mapping : Relevance of genes involved in Rett syndrome” at Department of Biophysics, **All India Institute of Medical Science (AIIMS), New Delhi.**
 - This Project work is presented as **Poster** at **IBS 2013 Mumbai**
2. Minor project on “Nucleotide Diversity Analysis of Pathogenic Island Genes in *Francisella tularensis*”.

❖ **B.Sc. in Medical Microbiology** (2007-2010) from Sai College of Medical Science and Technology, C.S.J.M. University

❖ **Senior Secondary** (2007), Kumari Udyan Vidyalaya, U.P. Board

❖ **Higher Secondary** (2005), Kumari Udyan Vidyalaya, U.P. Board

Technical Qualification:

- Certified in Statistical Techniques and Applications from Banasthali University
- Operating System : Windows XP/7/8/10
- Programming Language : Basis of C, Basis of Perl
- Scripting Language : HTML
- Databases : Oracle 8i

Bioinformatics skill

Computational and theoretical: Molecular modelling, designing and dynamics, Networking and pathways analysis, DNA polymorphism analysis, phylogenetic analysis, sequence analysis and genome analysis.

Bioinformatic tool: BLAST, Clustal, SAMtools, BWA, STAR, MUSCLE, FastTree, NJplot, UCSC Genome Browser, Cytoscape, String, DnaSP 5.10, SNP Finder, SNP Analyser 2, Modeller9.16, SYBYL, DiscoveryStudio, Autodock, AMBER18Rasmol, SwissPDBViewer, BioEdit, Chimera, MEGA, Modeller.

General applications: MS Word, Excel, PowerPoint, LATEX, Adobe

Experimental technique

Isolation and Purification of fungal and bacteria strain, Cocultivation of Bacteria and Fungus in Solid and Broth Medium, Fungal Spore Suspension Preparation, Fungal Staining, Spectrometric Analysis of Samples, biochemical tests.

Membership:

- Life Member of Indian Science Congress Association, Kolkata

Invited Talks/ Oral Presentations:

1. **Poster Presentation** entitled “**Assessment of linkage disequilibrium associated with single nucleotide polymorphism of tef1á gene in *Trichoderma harzianum* population**” in International conference “Sustainability of Smallholder Agriculture in Developing Countries under Changing Climatic Scenario” organized by C.S. Azad University of Agriculture & Technology, Kanpur dated February 14-17, 2018.
2. **Poster Presentation** entitled “***In-silico* Study for Identification of Putative Stress-Responsive Genes in Tomato**” in National Conference on “Organic farming for sustainable agriculture and livelihood security under changing climatic conditions” organized by C.S. Azad University of Agriculture & Technology, Kanpur dated December 12-13, 2017.
3. **Oral Presentation** entitled “**Homology modeling, quality assessment and validation of lytic enzymes of *Trichoderma harzianum***” in National Symposium “Nutritional Security, Environmental Protection: Present Scenario and Future Prospects” organized by Society of Biological Sciences and Rural Development, Allahabad (UP), Dated November 10-11, 2017.

Oral Presentation entitled “**Nucleotide Diversity analysis of pathogenic genes of *Fusarium oxysporum* f.sp. *lycopersici***” in International Symposium “Advance in Agriculture and Biodiversity Conservation for Sustainable development” organized by Agricultural Technology Development Society, Ghaziabad (UP), Dated October 27-28, 2017.

4. Deliver **Invited talk** on “**Computational Approaches for prediction of microRNAs and their Targets**” in National workshop on “Study of Structural and Functional Biology through Computational approach in Bioinformatics” organized by Bioinformatics Infrastructure Facility Center of D.B.T, D.G (P.G) College, Kanpur, Dated September 16-22, 2017.
5. **Oral Presentation** entitled “**Comparative modeling and structure analysis of Peroxidase and β -1-3-glucanase of *Trichoderma harzianum* using *In-silico* approaches**” in National Symposium “Eco-Friendly Approaches for Plant Disease Management: Recent Trends and Opportunities” organized by ICAR-IIPR, Kanpur, Dated December 29-30, 2016.
6. Deliver **Invited talk** on “**Homology Modelling**” in National workshop on “Designing of Drugs Against Diseases by using *In-silico* Approaches” organized by Bioinformatics Infrastructure Facility Center of D.B.T, D.G (P.G) College, Kanpur, Dated September 3-9, 2016.
7. **Oral Presentation** on “**BIO-IT & Healthcare in India: Growth Opportunities & Challenges**” in National Seminar on “Science and technology for Indigenous Development in India” organized by Indian Science Congress Association, Kanpur Chapter and Department of Zoology, D.G.(P.G.) College, Kanpur, Dated January 28-19, 2016.

Awards & Achievements:

Young Scientist Associate Award (2018) in International Symposium “Advances in Agricultural, Biological and Applied Sciences for Sustainable Future” organized by Agricultural Technology Development Society, Ghaziabad (UP), Dated October 27-28, 2017.

Best Oral Presentation in National Symposium “Nutritional Security, Environmental Protection: Present Scenario and Future Prospects” organized by Society of Biological Sciences and Rural Development, Allahabad (UP), Dated November 10-11, 2017.

Publications:

1. Trivedi S., Srivastava M., Ratan V., Mishra A., **Dixit S.**, Pandey S. and Harshita (2020). Evaluation of Microbial Consortia on Systemic Resistance Against Chickpea Wilt. Bangladesh J. Bot., 49 (3): 653-661. (**Web of Science, ISSN: 0253- 5416**)

2. **Dixit S.**, Srivastava M. and Katara P (2019). Computational assessment of polymorphism with linkage disequilibrium and hotspots of recombination in pathogenic genes of *Fusarium oxysporum* f. sp. *lycopersici*. *Legume Research-An International Journal*, 42 (6): 856-861. **(Web of Science, ISSN: 0250-5371)**
3. Ratan V., Srivastava M., **Dixit S.**, Srivastava K.D., Trivedi S. and Srivastava Y.K. (2019). Molecular and Computational Studies of *Trichoderma* Isolates. *Int.J.Curr.Microbiol.App.Sci*,8(2):3282-3290.
4. Mishra A., **Dixit S.**, Ratan V., Srivastava M., Trivedi S. and Srivastava Y.K. (2018). Identification and in silico screening of biologically active secondary metabolites isolated from *Trichoderma harzianum*. *Annals of Phytomedicine*, 7(1): 78-86. **(ESCI, ISSN: 2278-9839; NAAS:5.81)**
5. Mishra A., Shahid M., **Dixit S.**, Pandey S., Srivastava M. and Ratan V (2016). Morpho-Molecular Identification of *Trichoderma asperellum* CA-03/9840. *JPAM*, 10 (2): 1243-1250. **(NAAS:6.00)**
6. SaxenaKA.,SaxenaLVand**DixitS**(2016).Mappingofprotein-proteininteraction network of alexander disease. *Cell. Mol. Biol.*, 62 (6): 17-21. **(Web of Science, ISSN:0145-5680)**
7. SaxenaV.,**DixitS**andShuklaK(2015).GenomewideanalysisofSingleNucleotide PolymorphismofhumanmitochondrialGenomeinIndianPopulation.*AsianJ.Biol. Life Sci.*, 4 (3): 203-207. **(Web of Science Zoological Record, ISSN:2278-747X)**
8. SaxenaV.,**DixitS**andAshrafA(2015).Gene-GenelInteractionMappingofHuman Cytomegalic Virus through System Biology Approach. *Biol syst Open Access*,4:2.

Active Participations:

1. Attended International Conference on “Drug Design” by “Schrodinger”, Dated April 7-9, 2017
2. Attended National Seminar on “Science and Technology for Human development” Organized by “Indian Science Congress Association, Kanpur Chapter”, Dated December 8-10, 2014.
3. Attended Regional Rural Sciences Congress on “Innovations in sciences and Technology for Inclusive Development” Organized by “Indian Science Congress Association, Kanpur Chapter”, Dated November 23-24, 2013.
4. Participated as “Technical Assistant” on “Genome Analysis through Bioinformatics” organized by Bioinformatics Infrastructure Facility Center of D.B.T, D.G (P.G) College, Kanpur, Dated October 7-9, 2013.
5. National Workshop on “Biological Database and Data Mining Approaches” Organized by “CENTRE FOR BIOINFORMATICS, Department of Biosciences & Biotechnology, Banasthali University, Rajasthan” dated December 18-20, 2010.

Personal Details:

Name : Supriya Dixit

Date of Birth : 28-10-1989
Father's Name : Sh. Satya Kumar Dixit
Mother's Name : Smt. Sangeeta Dixit
Citizen : Indian
Sex : Female
Category : General
Marital Status : Married
Languages Known : English, Hindi
Permanent Address : 33A, Kazi Khera, Shivkatra Road, Lal Banglow, Kanpur(UP)-
208007

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Lucknow, Uttar Pradesh

Date: June, 2022

(SUPRIYA DIXIT)

