

AKANKSHA SRIVASTAVA

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Date of Birth: 06/09/1988

OBJECTIVE

Seeking a challenging and rewarding opportunity with an organization of repute, which recognizes my true potential, and effectively utilizes/ nurtures my excellent analytical and technical skills.

EDUCATIONAL QUALIFICATION

Education	Year	Subjects	Board/University	Percentage/GPA
PhD	Pursuing	Environment engineering	Dr. A.P.J. Abdul Kalam Technical University	-
M.Tech	2013	Environment engineering	Bundelkhand Institute of Engg. And Technology Jhansi, UP	67%
B.Tech	2011	Biotechnology	Amity University, UP	6.14
Intermediate	2005	PCB	U P Board	69.20(U.P. Board)
High School	2003	Math & Science	UP Board	57.66(U.P. Board)

PROJECT DETAILS

- An Approach to E-Waste Management-Steps Towards Better Tomorrow:**

DESCRIPTION: The main aim of the project is to highlight the national and global regulatory regime for management and disposal of e-waste in India. Also bring out the importance of recycling and proper dump of huge e-waste produced in the IT cities of India like Bangalore, Chennai and other major cities like Delhi, Mumbai etc. The project acmes collection of such wastes all along the city and then proposing a proper place to install plants for the recycle and dump without harming the environment. It's a huge challenge in the world and needs attention asp.

- Computer aided Drug designing and development:**

DESCRIPTION: The drugs can well be tested with no lab rats using specially designed software.

- IN SILICO ANALYSIS OF APP AND TARGETTING IT WITH BY COMPUTER AIDED DRUG DESIGNING APPROACH TO TREAT ALZHEIMER'S DISEASE.**

DESCRIPTION: The objective of these project fundamental approaches for drug discovery which is iterative one. The pharmacological response of a designed drug is mainly the consequence of its interaction

with the receptors of a cell and the study involve physicochemical, experimental or quantitative- structure activity relationship (QSAR). The study is widely used in converting lead compound into drug safe for human patients if study of lead compound is integrated with experiments in wet lab.

INTERNSHIP EXPERIENCE

- **COMPANY:** Department of Zoology, BHU

TOPIC: Genomics and Proteomics

DESCRIPTION: Hands on training on various biotechnological techniques. (Tissue culture, preparation of cell legate for protein analysis, Bradford assay for quantification of total protein, protein gel electrophoresis, isolation and extraction of DNA, DNA gel electrophoresis, ELISA.)

- **COMPANY :** C.S.M. Medical University, Lucknow (K.G.M.C)

TOPIC: Coagulation Disorder in IUFD and leukemia cases.

DESCRIPTION: The hypothesis has been developed that many cases of recurrent miscarriage and of later pregnancy complications are caused by a defective maternal haemostatic response leading to fetal death. The causes of stillbirth are many varied with a large proportion having no obvious cause. As this study demonstrates, certain laboratory can be eliminated in the workup of fetal death. In evaluation of stillbirth a complete systematic method that incorporates placental pathologic conditions and coagulation disorder cascade as well as autopsy findings, should to be beneficial.

- Worked as **Guest Faculty at IET ,Lucknow** (2014-2015).

SEMINAR AND CONFERENCE ATTENDED

- International conference on “**Ostwald’s 100 years of Catalysis in Chemical Research**” organized by Sam Higginbottom Institute of Agriculture, Technology & Science, Allahabad
- Seminar on “**Computer Aided Drug Designing & Development**” organized by BCS-InSilico Biology, Lucknow.
Role of bioinformatics in translational medicine, with the technology touching every field medicine can well be improved with the help of bioinformatics.

WORKSHOP ATTENDED

- International workshop on “**Recent Advances in Biometrics & Fingerprints**” organized by Sam Higginbottom Institute of Agriculture, Technology & Science, Allahabad.
- Workshop on “**Gene Finding and Genome Comparison**” organized by BCS-InSilico Biology, Lucknow.
- Workshop on “**Computer Aided Drug Designing**” conducted by Techno Concept and learnt the details of Hyperchem software.
- Workshop on “**Environment Conservation**” at Environmental Directorate, UP.
- **GAIN** workshop at IIT – ROORKEE.
- **SAFER** workshop at IIT- KANPUR.

COMPUTER SKILLS

- Languages- C, C++
- DBMS
- Data Structure
- MS excel
- Power point
- Internet surfing

KEY COMPETENCIES

- Good Analytical Ability
- Quick Learner
- Optimism
- Patience
- Basic knowledge of German language

COMMUNITY ACTIVITIES

- Member of **FORUM OF CIVIL ENGINEERING BIET JHANSI**
- Member of **Amity Biotech Club**
- Member of **AMI (Association of Microbiologists of India)**
- Member of **ABHIYAN**
- I am organizing member of SANDHAN'11 organized by FCE.
- **Girls' captain in Lucknow Public College.**
- First Prize in **Science Galaxy in Samanway'08** at Amity University, Lucknow Campus.
- Second Prize in **Bio Kaleidoscope in Samanway'09** at Amity University, Lucknow Campus.
- Third Prize in **Theme Enactment (Skit) in Samanway'09** at Amity University, Lucknow Campus.
- Member of National Service Scheme BIET Jhansi.