

AWNI SONI

Molecular Biology | Human Genetics | Botany

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EXPERIENCE

Scientific Writer, Genscript , Molecular Cloud, 860 Centennial Ave, Piscataway, NJ ,USA- Present

Key Account Executive & Lab Coordinator, RedCliffe Life Sciences Pvt Ltd, Delhi, INDIA | 2nd Feb' 2019 – 2nd Nov' 2019 | 9 Months

- Manage B2B accounts, B2C (sales & marketing team) of company.
- Manage reporting, monitoring, resources, and laboratory personnel.
- Work closely with team members to provide effective solutions to support business and quality objectives.
- Facilitate effective communication across internal departments by trending and reporting data.
- Ensure adherence to regulatory requirements, budgets, and schedules.
- Establish and improve procedures and processes by addressing issues and risks.
- Monitor the receipt, storage and withdrawal of all laboratory specimens and tools.
- Encourage prompt reporting of health and safety concerns.
- Perform laboratory administrative duties by receiving samples from customers as needed, calculating and recording analytical results in the appropriate log book, data entry in the LIMS.
- Assist Laboratory Manager with administrative duties as necessary including but not limited to the following: QAO- 1 S Generating and/or reviewing analytical reports S Ordering lab supplies as needed S Contacting lab customers S Monitoring turn-around times.
- Sample collection and pick-up services
- Liaise with clients to identify and define requirements, scope and objectives.
- Act as the point of contact and communicate project status to all participants.
- Command on Advance technologies like NGS, Array etc

EDUCATION

1. M.Sc. in Molecular & Human Genetics, Banaras Hindu University, Varanasi, 2016-2018 | CGPA = 7.2

Major courses taken- Transmission Genetics | Basic Human Genetics and Epigenetics | Cell Biology | Molecular Genetics | DNA Technology & Genetic Engineering | Biochemistry & Metabolic Disorders | Instrumentation | Cytogenetics | Model Genetic Systems | Bioinformatics | Human Molecular Genetics | Developmental Genetics | Behavioural Genetics | Reproductive Genetics and Genetic counseling | Clinical Genetics | Immunogenetics| Epigenetics| Neurobiology

2. B.Sc. in Botany (H), Hansraj College, University of Delhi, Delhi, 2014-2016 | %age = 75%

Major courses taken- Core Botany | Biology | Mathematics and Statistics | Computational Skills | Medical Diagnostics | Molecular Biology | Bioinformatics | Genetics and Genomics | Biochemistry and Immunology | Biotechnology | Ecology | Developmental Biology-Plants

3. AISSCE (Grade 12th), Wisdom Public School, Aligarh, 2013 | %age = 84%.

Major courses taken- English | Physics | Chemistry | Biology | Physical Education

4. AISSE (Grade 10th), Delhi Public School, Aligarh, 2011 | %age = 88%.

Major courses taken- English | Hindi | Mathematics | Science | Social Science

SKILLS

1. Coding and Computer- MS Office | Windows OS

2. Bioinformatics-

- i. **Databases-** NCBI | PubMed | PDB | UniProt | PIR | SwissProt | EMBL | DDBJ | GenBank
- ii. **Tools-** BLAST | ClustalW | MSA | PHYLIP

3. Wet Laboratory- DNA | RNA | Protein & Plasmid DNA Isolation | Agarose Gel Electrophoresis | SDS-PAGE | Spectrophotometer Quantification | PCR | Immunostaining | Bacterial Transformation | Western and Southern Blotting|

4. Technique of Genetic Analysis- Balancer Chromosome | P-Element Transposons | UAS-GAL4 System| FLP/FRT system| Stock Maintenance | Immunostaining | Mounting

INTERNSHIP/DISSERTATION/TRAINING

Internship: Growth Curve of *Escherichia coli* under various physical conditions and biofilms | 3 Months | DS Kothari Research and Innovation center | Miranda House | University of Delhi | 2015

Dissertation: Titled “Functional characterization of a DNA binding protein in *Drosophila melanogaster*” | 6 Months | Department of Molecular and Human Genetics | Banaras Hindu University | Varanasi | Uttar Pradesh | 2018

Training: Management and Genetic Counselling Trainee | 3 Months | RedCliffe Life Sciences | Hauz Khas | New Delhi | 2019

NATIONAL LEVEL EXAMS QUALIFIED

1. Secured Rank 36 Joint Graduate Entrance National Level Entrance Exams for Biology and Interdisciplinary Life Sciences conducted by Tata Institute of Fundamental Research (TIFR) in 2018
2. Secured Rank 22 in Post Graduate Entrance Test (PET) in 2016 for admission into M.sc Molecular and Human Genetics Program conducted by Banaras Hindu University, Varanasi , India
3. Secured Rank 4 in Post Graduate Entrance Test in 2016 for Admission into M.sc Plant Sciences Program conducted by University of Hyderabad, Hyderabad, 2016
4. Secured Rank 12 in Post Graduate Test in 2016 for admission into M.sc Plant Molecular Biology conducted by University of Delhi, New Delhi, India

HONORS AND AWARDS

National Merit Scholarship for post graduate studies under the sponsorship of Department of Biotechnology, India (2016-2018)

WORKSHOPS

- **Anukaran** | Shivaji College | University of Delhi | 2015
- **Neural Circuits and Behaviour** | IIT Kanpur | 2016
- **Foldscope** | Sri Venkateshawara College | University of Delhi | 2016

SEMINAR AND CONFERENCES

- National Seminar on Mechanisms of Immune Response organized by Department of Molecular and Human Genetics under the aegis of Indian Immunology Society, New Delhi (2018)
- International Seminar on Efficacy tests of chemicals and non chemical against major soil borne pathogens, Department of Plant pathology and Microbiology, College of Agriculture and Lifesciences IOWA organised by Department of Botany, Hansraj college, University of Delhi

COURSES CERTIFICATIONS

- Epigenetic Control of Gene Expression | University of Melbourne | Coursera
- Understanding Prostate Cancer | John Hopkins University | Coursera
- Understanding Cancer Metastasis | John Hopkins University | Coursera
- COVID 19 -Impact on Infection Control, Preparedness and Cancer Patients | Harvard Medical School
- CRISPR-CAS9 | Udemy
- CRE-LOX Technology In Mouse Modeling | The Jackson Laboratory
- Reproductive Biology of the Laboratory Mouse | The Jackson Laboratory

EXTRA-CURRICULAR

- Council Member in Botanical Society | Hansraj College | University of Delhi | 2013
- Core Member | SPIC MACAY: Society for Promotional of Indian Classical Music and Culture Amongst Youth | Hansraj College Unit | University of Delhi | 2014
- Volunteer | N.S.S Environment Wing | Hansraj College | University of Delhi | 2014
- Joint Secretary | Haritima: Environment Society | Hansraj College | University of Delhi | 2014
- Wall Magazine Editor | Botanical Society | Hansraj College | University of Delhi | 2015
- Winner | Badminton Doubles | Banaras Hindu University | 2017

References On Request