

Name: ABDUL ROUF WAR

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Profile: Masters of Technology (M. Tech) Biotechnology Graduate with experience in Cancer Research.



Objective: Interested to be part of challenging and fast paced environment, where I can brush up my current knowledge and nurture the creativity with many learning opportunities to gain experience and skills, which will contribute effectively towards the growth of my profession and career development.

Academic Background

1. M. Tech Biotechnology from SRM University Tamilnadu (2014-16) with first class (7.139 CGPA)
2. B. Tech Biotechnology from Anna University Tamilnadu (2009-13) with first class (7.32 CGPA)

Current Employment:

Project Associate @ CSIR-IIIM, Jammu (January,2022-present)

Work Experience:

- 1) Worked as BCIL Trainee/DBT-BITP Intern at Dr. Reddy's Laboratories, Hyderabad India

Duration: 6 months (2016-17)

- 2) Worked as "Pharmaceutical Sales Representative" at ARCO Pharmacy Sopore Jammu and Kashmir from 02 March 2020 to 31 August 2021

Duration: 1 year and 06 months (2020-21)

Research Projects

1. Ph.D Research Project "Investigating the role of MACF1 as well as evaluating Multidrug Resistance in Human Osteosarcoma Stem Cells" @ Northwestern Polytechnical University,Xi'an,Shaanxi Province,China(2017-20)(Research delayed due to Covid-19 Pandemic)
2. M. Tech Research Project on "Effect of Curcumin on Multidrug Resistance in HT29 colon cancer cell line" at Animal cell and tissue culture lab. Department of Biotechnology; School of Bioengineering; SRM University Kattankulathur Tamilnadu India.
3. B. Tech Project on "Molecular Cloning and Over-expression of GM2/GD2 Synthase" under the supervision of Dr. Kaushik Biswas, Assistant. Professor Division of Molecular Medicine at Bose Institute Kolkata India. Previous Engagement (Sept.2016-Mar.2017):
4. DBT-BITP fellowship project "Functional Characterization of Monoclonal antibodies" at Dr. Reddy's Laboratories Bachupally Hyderabad, Telangana, India.

Software/Technical Competencies

1. OS: Windows XP, Windows 7, Windows 8 etc.,
2. Attended 1 Year of Bachelor of Computer Applications @ Kashmir University.

Research Accomplishments

My research accomplishments include; Animal Cell Culture, Cancer Cell Lines, Cancer Stem Cell Research, Polymerase Chain Reaction (PCR), RT-PCR system, Gel Electrophoresis, Mass Spectrophotometer, Western Blot Analysis etc. I have first-hand experience in many molecular techniques such as; Mammalian cell culture and Transfection and Western Blot. Bioassays, ELISA, Typan blue Assay, Cytotoxic Assays, Growth Inhibition Assay, Receptor Binding Indirect Assay, Cytostat Assay, Drug Accumulation Assay, Sarcosphere Assays, Protein A Leachate Analysis(PAL), Mix-n-Go Protein-A Assay, Host Cell Protein (HCP) Analysis. Isolation, purification analysis of DNA/RNA/proteins.

Awards and Fellowships

1. DBT-Biotech. Industrial Training Programme (DBT-BITP)-fellowship by Govt. of India-2016-17.
2. Awarded “A Grade in Intelligence, Aptitude and Scholastic Test” organized by IIPD at All India Level.
3. Awarded First prize in debate on “Status of women in India” at state level.
4. Awarded Second prize in “Test in Aptitude and Communication” at National level conducted by “Shakespeare Institute of English Studies” Chennai-Tamilnadu.
5. Awarded Third prize in Paper presentation on “Genetic Engineering” at National level.

Presentations in National Conferences

1. Presented paper on “Application of Nanotechnology in Medicine” at SRM University, Chennai.
2. Presented paper on “Genetic Engineering” at Sri Nandhanam College of Engineering & Technology Tirupattur.
3. Successfully organized Biotechnology Symposium entitled “Zenara- 2k11” at national level.

Trainings/Workshops attended

1. Successfully completed a certificate course on “**Patenting in Biotechnology**” offered by **Technical University of Denmark, Copenhagen Business School**, through Coursera.
2. Successfully completed a certificate course on “**Creative Thinking: Techniques and Tools for Success**” offered by **Imperial College London** through Coursera.
3. Successfully completed a certificate course on “**Introduction to Molecular and Cellular Biology**” offered by **Saylor Academy**.
4. Successfully completed a certificate course on “**Inclusive Leadership: The Power of Workplace Diversity**” through Coursera, authorized by **University of Colorado**.
5. Attended 3 days National Workshop on “**Cell culture & Molecular Biology: Laboratory Training& Applications**” Organized by **Department of Zoology, G.D.C Bijbehara, J&K. in Collaboration with Eppendorf India**.
6. Three weeks training program on “**Advanced Techniques in Biotechnology**” at **Department of Biotechnology Govt. Degree College Sopore, Jammu & Kashmir**.
7. Attended workshop on “**Entrepreneurship Development Programme for Biotechnology Graduates**” at **KSR college of Technology, Tiruchengode, Tamilnadu**.
8. Attended workshop on “**Robotics entitled Roboopus-2012**” at **Robospian Technology Pvt.Ltd. In collaboration with IIT Delhi**.
9. Participated in “**Launch of Jammu & Kashmir Regional Faculty of Disaster Medicine**” held at Srinagar on 22nd and 23rd June 2015.
10. Implant training on “**Drug Formulations**” at **Eaton Laboratories Srinagar J&K India**.

Instrument Handling:

Cell Culture Lab., Chromatographic techniques, Mass Spectrophotometer, Colorimeter, Ultracentrifuge, Fluorimetry, ELISA Reader, SDS-PAGE equipments, DNA gel electrophoresis, GEL-Doc, pH meter, Polymerase Chain Reaction(PCR), RT-PCR, Gel Electrophoresis, Laminar flow Hood, Biosafety Cabinet, CO2 Incubator, Western Blot, Cryopreservation etc.

Interpersonal Skills/ Extra-curricular activities

1. Actively participated in sports and cultural activities. 2. Participated in programming contest,

Quizzes, Debates, Seminars and Aptitude tests.

My Strength:

- 1) Objective Oriented and have a quest for continuous learning and exploration.
- 2) Good team player; Enthusiasm; Hard work.

My Weakness: In-depth Analysis, Selfless, Helping nature, The word “NO” never comes to my mind.

Hobbies: Exploring Scenic beauty, listening to soft(Natural) music, Gardening, Travelling, Playing games, Philately, Numismatics etc.

Publications

1. Role of cancer stem cells in the development of giant cell tumor of bone. War et al. Cancer Cell Int (2020) 20:135 <https://doi.org/10.1186/s12935-020-01218-7>
2. Curcumin induces chemosensitization to doxorubicin in Duke's type B coloadenocarcinoma cell line. Molecular BiologyReports <https://doi.org/10.1007/s11033-020-05866-w>
3. The Roles of FoxO Transcription Factors in Regulation of Bone Cells Function. Int. J. Mol. Sci. 2020, 21, 692; doi:10.3390/ijms21030692
4. Involvement of giant cells in the development of bone tumor. May 2019, Journal of Cancer Science and Therapy 11(5):153 DOI: [10.4172/1948-5956.1000601](https://doi.org/10.4172/1948-5956.1000601)
5. Curcumin co-treatment sensitizes Multidrug resistance in HT29 colon cancer cell line. Journal of Cancer Research and Immuno-oncology, DOI: [10.35248/2684-1266.16.4.117](https://doi.org/10.35248/2684-1266.16.4.117)

Linguistic Proficiency

- English (Speaking, Reading & writing)
- Urdu (Speaking, Reading & writing)
- Hindi (Speaking, Reading & writing)
- Kashmiri (Speaking, Reading & writing)
- Arabic (Speaking, Reading & writing)
- Chinese (Speaking, Reading & writing)

References

1. **Prof. C. Rama Prabhu**
Head of the Department, Department of Biotechnology,
SNCET Tirupattur, Vellore Tamilnadu-635601.
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2. **Dr. Abdul Rasheed**
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Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Baramulla

Signature

Date: 20/03/2022

(Abdul Rouf War)