

Bydaa Atron

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Summary

I want a high rewarded career where I put my skills and knowledge in best use.

To succeed in stimulating and challenging environment, building the success while I experience advancement opportunities.

To put my dedication and passion in science and research in best use, utilizing both traditional and modern approaches.

Core Skills

- | | | |
|--------------------------------|----------------------|--------------------------|
| ● Research and Data analysis | ● Teaching | ● Mass Spectrophotometry |
| ● Microbiology Techniques | ● Python Programming | ● Cell culture |
| ● Molecular biology Techniques | ● Bioinformatics | ● Academic writing |

Awards

Full funded scholarship (Master degree). Turkey. (2019-2022)

Education

M.S.C

Cumhuriyet University. Turkey

2020-Current (Thesis Step)

It covers Bacteriology, Virology, Mycology, Sterilization and Disinfection, Biostatistics, Immunology, Research Methodology, Specialization Course, Antimicrobial Chemotherapy.

Thesis: Metabolomic profile Comparison between Colistin-Resistant and Colistin-Susceptible Strains of *Acinetobacter baumannii*

B.S.C (First class/ honors)

University of Khartoum. Sudan

2011-2016

Medical Laboratory Science

Specialization in Medical Microbiology & Immunology

It covers Physiology, Anatomy, histology, Biochemistry, Biosafety, clinical chemistry, Haematology, serology, parasitology & Medical entomology, Histopathology & Cytology, Medical Microbiology, Immunology, Pathology, Research Methodology, Biostatistics, Quality control & Laboratory Management.

Thesis: Evaluation of Quinolones and Fluoroquinolones resistance in Gram Negative Bacteria

Grade: A

High school Certificate

Alawda High school. Sudan

2008-2011

Grade: 90%

Academic

Award: Best academic performance

Career		
Teaching Assistant (Full-Time)	2017-2019	Department of Medical Microbiology & Immunology
Napata college-Sudan	Main activities and responsibilities <ul style="list-style-type: none"> ● Provide students with knowledge and skills in Medical Microbiology. ● Provide students with knowledge of safety and governmental regulations and standards as applied to medical laboratory practice ● Demonstrate technical skills, social behavior, and professional awareness upon a laboratory technician ● Advice students about syllabus and clarify the obstacle that may had during lectures by performing tutorials ● Perform assignments and quizzes periodically to assess students understanding ● Academic secretarial responsibilities 	
Researcher Assistant (PartTime)	2016-2019	Department of Molecular Biology
National Research Centre-Sudan	Main activities and responsibilities <ul style="list-style-type: none"> ● Working with academic members of the research team in order to deliver research outcomes. ● Responsible for writing up research papers and presenting research. Perform molecular biology techniques ● Assisting PhD and Master students in researches conducting. Involved in database analysis including bioinformatics applications. ● Teaching and training undergraduates and graduate students Investigation and documenting key data and information at the request of senior researchers. ● Active involvement in molecular and cellular researches activities with scientists specializing in other fields. ● Participating in conducting training programs, workshops, conferences and research visits of other institutions. ● Contributing to team decisions about research directions. ● Prepare reports, manuscripts, and meeting presentations. 	
Proficiency Exams		
TOEFL IBT	Full Grade: 85	(B2 Upper-intermediate)
EF Standard English Test	Full Grade: 81	(C2 Proficient)
languages		
Arabic	Mother tongue	
English	English diploma	Microsoft information technology institute (2015)

Turkish

TOMER Certificate (C1)

Turkish and Foreign Languages
Application and Research
Center (2020)

Conferences

Oral Presentation

Paper Title:

**Ankara V. International Scientific Research Congress
Ankara-Turkey (Oct-2021)**

Identification and characterization of potential druggable targets among Essential Hypothetical Proteins of *A. baumannii*

Oral Presentation

Paper Title:

**Global Society for Research and Development International Conference
Istanbul-Turkey (Oct-2021)**

Computational Prediction of siRNA as Potential Antiviral Agents
Against COVID-19

Oral Presentation

Paper Title:

II. International Cancer Days Sivas-Turkey (Sep-2021)

EBNA1-targeted siRNA Design: Novel approaches for the treatment of Epstein-Barr virus-associated cancers

Attended

The 1st Conference of Microbiology Khartoum-Sudan (March-2017)

Attended

The 6th Annual Conference of Medical & Health Studies-Sudan (Feb-2015)

Courses

Introduction to Computer Science and Programming Using Python. MIT-edx. (Ags-Oct-2021)

Bioinformatics with Python. Udemy. (Ags,2021)

Emerging respiratory viruses, including: methods for detection, prevention, response and control. Health Emergence Program. WHO.(Sep,2020)

Issues in vaccine development for coronavirus. Harvard Medical School. (May,2020)

Bacterial Genomes: Resistance in Bacterial pathogen. Welcome Genome Advanced Courses and Science Conferences. (May,2020)

Introduction to bioinformatics. H3ABIONET. University of Cape Town. South Africa. (Sep– Dec, 2019) Participated as A Teaching Assistant

Introduction to bioinformatics. H3ABIONET University of Cape Town. South Africa. (Sep - Dec 2018)

How to construct MCQs for exams. Napata college. (July, 2018)

How to prepare Lectures. Napata college. (June, 2018)

Presentation skills. Napata college. (April, 2018)

Research Methodology. National Research Centre. (March,2018)

Advance Molecular Biology and Bioinformatics course. Seven Vision for Management Training & Human Resources. (March, 2018)

Molecular Biology& Bioinformatics application training programs. National Research Centre (Dec, 2016)

Molecular biology course. University of Khartoum. (June, 2016)

Molecular biology training program. National Research Center. (August, 2016)

Quality Management for medical laboratories. Seven Vision for Management Training & Human Resources. (September, 2015)

Excellence in patient care. Continuing Professional Development center. (Feb, 2016)

Bioinformatics course. Seven Vision for Management Training & Human Resources. (Sep, 2015)

Training in Microbiology Department. East Nile Hospital. (Sep, 2015)
Quality Assurance in Microbiology Lab. Professional Development Centre. (Nov, 2015)
Neuro-Linguistic Programming (NLP). Builder Centre for Leadership training. (June, 2016)
Advance in Medical laboratory. Soba Centre for Training and Examination. (Feb,2015)

Workshops

Ethics in Medical Profession and Health. Soba Centre for Training and Examination. (Sep-2017)
Research Methodology. National Centre of Research. (June-2017)
Diagnosis of Primary Immune-deficiencies. Soba Centre for Training and Examination. (Feb-2017)
Disease Control Program Soba Centre for Training and Examination (Feb-2017)

Technical skills and competences

- Able to adapt to most situations fairly easily
- Can juggle multiple researches at once
- Excellent problem solving and trouble-shooting skills

Organizational skills and Competences

Gained through holding position of Academic Secretary at Faculty Medical laboratory Science

- Excellent organizational and coordination skills
- Good analytical and critical thinking skills
- Able to work equally well in a team (as the lead or another member) or independently
- Leadership
- Negotiation and persuading skills
- Planning, Decision making and creative problem solving
- Good command of quality control processes gained through attending many related workshops

Computer skills and Competences

- Competent user of Microsoft® office applications: Word, Excel, PowerPoint, and Outlook
- Competent user of Citation tools such as Mendeley, Endnote
- Good command of Python programming language (Bio python)
- Good command of web-hosting, photo/ video editing softwares

Personal qualities

Adaptable, flexible, willing to learn as well as trustworthy, self-motivated and competitive individual, Thriving on challenge, with positive cheerful attitude

Interests

Volunteer work

Trainer. Sudanese red crest organization. (2016-2018)
Consultant. Know your field initiative. (2020-Up to date)

Membership

Teaching & Education Research Association (TERA). Life-Time member. (Since November-2021)

Publications (Conference Books)

Bydaa Atron. (2021). "Identification and characterization of potential druggable targets among Essential Hypothetical Proteins of *A. baumannii*". Kristin S.Benli. *Ankara International Scientific Research Congress*. Ankara. Turkey

Bydaa Atron. (2021). "Computational Prediction of siRNA as Potential Antiviral Agents Against COVID-19. P. Suresh. *Global Society for Research and Development International Conference*. Istanbul-Turkey

Bydaa Atron. (2021). " EBNA1-targeted siRNA Design: Novel approaches for the treatment of Epstein-Barr virus-associated cancers". Hilmi Ataseven, Koray Sayan, Ahmet Aktas, Rukiye Aslan. *Ankara International Scientific Research Congress*. Sivas. Turkey

Publications (Journals)

Accepted under publishing: Computational Prediction of siRNA as Potential Antiviral Agents. *International Journal of Advances in Science, Engineering and Technology (IJASEAT)*

Under review: Antifungal and Antibiofilm Activities of Some Essential Oils Against Candida spp. *Istanbul Journal of Pharmacy*

Under review: Identification and characterization of potential druggable targets among Essential Hypothetical Proteins of *A. baumannii*. *International Journal of Life Sciences and Biotechnology*

References

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