

## Esmail Ibrahim Fadheel Saad



### PROFILE

10 years of experience in Academic and community management, young people's mentoring, Biotechnology (Molecular & Cellular Engineering), university lecturing and research.

### ADDRESS

-F.No. ¾, AlYouseer building No1, Behind Al bakoush Mall- New AL Bayda, AL Bayda, Libya.

-Department of Microbiology, Faculty of Science, Omar Al-Mukhtar University, Al-Bayda, LIBYA.

-Dean office, School of Basic science, Libyan Academy, al Jabal Alkhder branch, Al-Bayda, LIBYA.

### RELEVANT LANGUAGES

Arabic, English, Indian, French

### COUNTRY EXPERIENCE

India and Libya

### BACKGROUND

B.Sc. Biology(Zoology), M.Sc. and PhD. (Biotechnology - Molecular and Cellular Engineering)

### EXPERTISE

Management, young people's mentoring, academia/research

### Management

Dean of School of basic science in Libyan academy al jabal alkhder branch, Assisting Omar almukhtar university program for distance learning courses for student and helping teachers Supervised the research unit, managed post graduate office, was a member of the Scientific Committee at the university, & managed a UNICEF community youth programme

### Academia and research

Taught undergraduate and graduate biotechnology, advanced cell biology and genetic engineering courses, and conducted biomedical research using biochemical & diagnostic, molecular, Bio-computational & Bioinformatics techniques

### Young people's mentoring

Advised and guided graduate students, volunteers and young development and peace building activists

An academic, researcher, teacher, and coordinator for community youth development, he is eager for community development and cultural, social, scientific, and research reform in an attempt to keep abreast of the latest scientific developments. I am constantly developing my biomedical knowledge and skills. My country is distinguished for its geographical location, as well as its best capabilities. Hence It requires high qualification and training for youth for societal rehabilitation, which allows for a high level of technical, technical, and craft development. I have learned a lot of continuous interaction with other researchers, students, and youth community development activists, which motivated me to move forward in developing my basic skills in line with my country needs.

### POFESSIONAL EXPERIENCE

Management: Dean of School of basic science, Member of Scientific Committee/ Teaching Staff Affairs

**Libyan Academy, Al Jabal Alkhder branch, Al Bayda, Libya**

February 2021 – until now

Management: Head of Department of Microbiology, Member of Scientific Committee/ Teaching Staff Affairs

**Libyan Academy, Al Jabal Alkhder branch, Al Bayda, Libya**

April October 2020 – February 2021

Management: Member of Scientific Committee of Ministry of Education and Higher Education of Libyan Gov.

**Ministry of Education and Higher Education, Tripoli, Libya**

April 2020 – October 2021

Management: Member of Scientific Committee/ Teaching Staff Affairs

**Omar al Mukhtar University, Al Bayda, Libya**

April 2019 – April 2020

- Assisting the university program for distance learning courses for students and helping teachers and given guidance to local schools in this aspect due to COVID -19.
- Create future scientific plans for the university.
- Follow up on the academic quality and academic outcomes of the university.
- Receive the procedures of promotions for faculty members at the university and evaluate their scientific publications for the purpose of scientific promotion.

Management: Local Development Consultant

**UNICEF, Al Bayda (covering a couple of other municipalities), Libya**

March- October, 2019

- Managed a multi sectoral youth program in Al Bayda and other cities
- Promoted life skills among adolescents and young people
- Contributed to the design and implementation of safe spaces for adolescents
- Supported young people's engagement in social cohesion and social enterprises
- Coached a group of young volunteers from different cities in leading community initiatives

Youth coaching

**Municipalities, Al Bayda and other municipalities in Libya**

March- October, 2019

- Facilitated the participation of young people in social development activities
- Coached young people in building their own network and initiating their Facebook page
- Advised the young people in developing project ideas, and implementing them

Management: Supervisor of Biotechnology Research Unit

**Libyan Authority for Research, Science and Technology**

**Al Bayda Branch, Al Bayda, Libya**

February 2015– June 2022

- Supervising the construction of the center's building, as well as giving suggestions and preparing for laboratory supplies
- Managing And lay the administrative and organizational foundations for work in the new research center branch
- Operating research teams and research assistants and teaching them how to conduct scientific research and conduct laboratory experiments

Management: Director of Post Graduate Office

**Omar al Mukhtar University, Faculty of Sciences, Al Bayda, Libya**

August 2014- September 2018

- Receiving the procedures for registering, graduate students and following them up in the different scientific departments
- Adoption of the scientific research proposal
- Follow the progress of the scientific and research process in the various scientific departments
- Supervising training courses for postgraduate students, as well as preparing many presentations

Academia/ Teaching: Assistant Professor

**Omar al Mukhtar University, Al Bayda, Libya (in addition to Benghazi and Darna)**

Feb 2012- Current

- Progressed from an assistant lecturer to a senior lecturer to assistant professor
- Taught undergraduate courses of Zoology Dept., Microbiology Dept., Genetic engineering Dept. for the faculty of medical technology, Molecular Biology, Biotechnology, Cytology, Biostatistics, Immunology, Bioinformatics, Pharmaco-genomics.
- Taught graduate courses of Zoology, Microbiology.

Academia/ Student supervision

**Omar al Mukhtar University, Al Bayda, Libya**

Feb 2012 to Current

- Guided students from different Universities and Institutes in carrying out their dissertation.
- Advised PG students at the Zoology department and Genetic engineering department.

### **EDUCATION (with outstanding and Excellent ranking)**

- **B.Sc. Biology** (Zoology), Omar Al-Mukhtar university, Libya, 2005
- **M.Sc. Biotechnology**, Hamdard University, New Delhi, India, 2009 (thesis title: Proteomics based tissue specific biomarkers for early diagnosis of hepato-cellular carcinoma by two-dimensional electrophoresis (2D-DIGE))
- **PhD Biotechnology**, Sam Hagginbottom institute for agriculture, Technology and Science. Allahabad, India, 2013 (thesis title: Identification of an inhibitor for the carcinogenic Kirsten RAS (KRAS) Mutant Protein)

### **PUBLICATIONS:**

- Main editorial board Al Jabal Journal of applied Sciences and technology until now
- Main editor Libyan Journal of basic Sciences, until January 2020
- List of papers published and publications in peer reviewed, published in national/international journals and many abstracts presented in several international conferences (see annex for details)

### **ACADEMIC SKILLS**

- Led biochemical and diagnostic research using the isolation and purification of Enzymes, enzyme assays, isolation and purification of protein, protein profiling using electrophoresis techniques, ELISA, RIA, PCR, RT-PCR, Western Blotting and Antibiotic sensitivity assay etc.
- Managed molecular biology research, including the isolation and purification of Nucleic Acids, Synthesis of cDNA and construction of CDNA and Genomic DNA libraries, Animal cell culture and Expression of Recombinant Proteins etc.
- Developed expertise in Bio-computational biology and Bioinformatics techniques such Protein Design uses *Insilco* analysis, computer aided Drug Design and drug discovery, BLAST, CLUSTAL-X, MULTALIN, HEX6.0, USE OF WEB BASED TOOLS etc, Homology Modeling uses modeler and online server and its validation, molecular dynamics using Gromacs Software, DNA micro Array, virtual screening, data mining, Drug design, Phylogenetics trees using different method, different *Insilco* studies for drug discovery.

### **COMPUTER SKILLS**

- Word, Power Point and Excel
- Computer languages such as C++, Python and Java
- Biostatistician softwares such as SISA (Simple Interactive Statistical Analysis) and others, for Biostatistics analysis, t-tests, p-value calculations, chi-square tests, odds ratio calculations.

**SOCIAL SKILLS**

- Life skills among adolescents and young people
- Effective communication
- Conflict resolution
- Active listening
- Relationship management, Respect

**REFERENCES**

Provided upon request

## Annex to CV

### 1. Participation in Corporate Life

- Deputy for the Libyan academy AlJabal AL khader branch in the agreement collaboration with the a number of Libyan universities and research centers in Libya.
- Member of the committee preparing the internal Rules for graduate studies for Omar Al-Mukhtar University for the year 2019
- Deputy for the university in the agreement collaboration with the National Centre of Biotechnology researches in Libya.
- Prepared a number of reports and proposals for the department.
- Prepared annual reports of the faculty of science.

### 2. Extension Work:

- Main editorial board Al Jabal Journal of applied Sciences and technology, at Libyan A academy, Libya
- Main editor of Faculty of Science Journal at Omar Al-Mukhtar University, Libya
- External Editor in International Journal of Bioinformatics and Biological sciences in India

### 3. Fellowship/Membership of the professional Societies:

Society of Bioinformatics, SHAITs, India, *Life Member*

Society of Biological Sciences, SHAITs, India, *Life Member*

### 4. List of Publications (in counter-chronological order):

1.	<b>Saad EIF (2017)</b> Molecular Dynamic Simulation and an Inhibitor Prediction of PI3K (P110 $\alpha$ ) Subunit Mutant Protein Structured Model as a Potential Drug Target for Cancer. <i>Research Journal of Oncology</i> .Vol. 1 No. 1: 7.
2.	<b>Saad E.I.F. (2017).</b> Drug Design for Cancer-Causing PI3K (P110 $\alpha$ ) subunit Mutant Protein. <i>Int. J. Pharm. Life Sci.</i> , 8(11):5644-5650.
3.	<b>Saad, E. F. I., Thomas, G. And Saha, S. B. (2014).</b> RAS subfamily – tracing the evolution for utmost exploitation. <i>Bioinformation</i> . 10(5) 293–298
4.	Almardi, N., Lawrence R., <b>Saad, E., Lawrence K., (2013).</b> Composition and determination of antioxidant activity of essential oil of Citrus reticulata grown in North Indian Plains. <i>The Journal of Free Radicals and Antioxidants</i> . 139: 153-159.
5.	Yadav, P. K., Singh, G., Singh, S., Gautam, B. And <b>Saad, E.F.I. (2012).</b> Potential therapeutic drug target identification in Community card-Methicillin Resistant <i>Staphylococcus aureus</i> (CA-MRSA) using computational analysis. <i>Bioinformation</i> . 8(14): 664-672.

### 5. Abstracts (posters) and Participation in Conferences:

1.	<b>Saad, F.I.E., and Thomas, G. (2013).</b> " Identification of a potential inhibitor of oncogenic mutant KRAS protein by <i>in silico</i> high throughput screening ". In national conference on Bioelectronics and Biomedical Technology. January <b>29-30, 2013</b> organized by Department of Biochemistry, Jamia Hamdard and sponsored and supported by UGC, New Delhi, India.
2.	<b>Saad, F.I.E., and Thomas, G. (2012).</b> "K-ras as specific target for pancreatic cancer therapy". National seminar on (recent advances and new inclinations in biological sciences) held on April 18 <sup>th</sup> , 2012. Organized by Society of Biological Sciences and DPT of Biological sciences -Sam Higginbottom institute, Allahabad, UP, India
3.	Participation in regional seminar on “ intellectual property protection and management” Organized by the Corporation in Collaboration with a central council for Research in Unani medicine on 11 <sup>th</sup> -12 <sup>th</sup> February, 2009 at Jamia Hamdard, New Delhi, India.