

# Curriculum Vitae



**REBIE M. N. JALLAH**

## Personal details:

Nationality: **Libyan**

Date of Birth: **1 January 1962**

Address: **Airport Road, Tripoli, Libya.**

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## Specialisation:

- Assistant Professor at physical chemistry.
- Researcher/founder of virtual chemical labs in Libya.

## Profile:

Assistant Professor of Chemistry (PhD in Physical Chemistry) at several Libyan universities, with extensive in-depth knowledge in physical chemistry (Thermodynamics and Kinetic). Good interpersonal and cross-cultural skills, with the spirit of teamwork and commitment to professional ethics. Work with ease under tremendous pressure.

Currently researching and introducing virtual chemical labs at Libyan universities. This project aims at using virtual labs in the development of university students' skills in physical chemistry by simulating real experiments by using Flash illustrations (theoretical and practical). The main objects of adopting these virtual labs include:

- Open new horizons for students to carry out a wide range of experiments and cope with the advancement in this field knowledge and technology.
- **Safety:** students do not take the risk of using hazardous and fatal chemicals that may cause permanent disabilities.
- **Cost effectiveness:** remarkably minimise the cost of procuring lab equipment and materials.
- **Security:** avoid the potential use of these hazardous materials in any illegal acts.

## Qualifications:

1- **PhD in Physical Chemistry.** *Kharkov State University, Ukraine.* 1996.

Thesis title: *Solvation of 1-1 Electrolytes in DMF at 25-70C from the Viscosimetry and Radiometry Data.*

2- **MSc in Chemistry.** *Kharkov State University, Ukraine.* 1991.

Dissertation title: *The Viscosity and Solubility (by Radioactive Method) of Non-Aqueous Electrolyte Solutions.*

3- BSc in **Science**. *Kharkov State University*, Ukraine. 1989.

### **Professional experience:**

- 1998 – 2013: **full-time member of staff (Lecturer, Assistant Professor)**, *Chemistry Department, Faculty of Science, University of "Saaba Apreel", Zawyia, Libya.*
  - 2001 – 2003: seconded as the **dean** of the Faculty of Science, *University of Saqre Afriqyah, Nalout, Libya.*
  - 2004 – 2007: **full-time member of staff (Lecturer)**, *Chemistry Department, Faculty of Science, University of "Saaba Apreel", Zawyia, Libya.*
  - 2008 – 2013: seconded as the **dean** of the Faculty of Science and Arts, *University of Aljabal Algharbi, Bader, Libya.*
- 2013 – present: **full-time member of staff (Assistant Professor)**, *Chemistry Department, Faculty of Education, Tripoli University, Janzour, Libya.*
- June 2014 – December 2015: **dedicated researcher** for Chemical Virtual Labs Project (simulation), *Libyan Ministry of Labour* (study field India and Jordan).

### **Researches and Publications:**

- ◇ Supervised several researches including:
  - 2002 – 2005: *Calcium Carbonate and its uses in plastic production*, International Centre for Plastic Researches, Tripoli, Libya.
  - 2008 – 2009: second supervisor for MSc dissertation on *Calcium Carbonate (fillers) and Polyvinyl Chloride PVC*. Libyan Postgraduate Studies, Tripoli, Libya.
- ◇ Published a number of papers and researches, including:
  - Kalugin O. N., **Rebie Jalah. M. N.**, Gorobetz M. A., Vjunnik I. N., *Partial molar volumes of 1:1 electrolytes in N,N-dimethylformamide in 25-70°C temperature range // Abstracts of 35th IUPAC Congress, 14-29 August, 1995.- Istanbul, Turkey, -1995.- p.501.*
  - Kalugin O. N., Gorobetz M. A., **Jalah R. M. N.**, Vjunnik I. N., Zavgorodnij Y. N., *Structure and Dynamics of Ion-Molecular Interactions in 1-1 Electrolyte Solutions in Dymethylformamide on the Temperature Range 25-70°C from Viscosity and Density Data // Z.phys.Chem.-1997.-Bd.199.-S.145-164.*
  - Kalugin O.N., Gorobetz M.A., **Jalah R. M. N.**, Vjunnik I. N., *Viscosity and Ion-Molecular Interaction in Dimethylsulfoxide Solutions of 1-1 Electrolytes at 25, 40, 55 and 70 °C // Chimia,-1997.-Nr.7.-p.521.*

- Kalugin O. N., M. A. Gorobetz, **R. M. N. Jalah**, I. N. Vjunnik, and Y. N. Zavgorod, *Conductivities, Partial Molar Volumes, and Isentropic*, *nij*, Z. Phys. Chem. 199 (1997) 145. 3. M. S. K. Niazi, I. Jabeen.
- Oleg N. Kalugin, Maxim N. Volobuev, Yaroslav V. Kolesnik, Ashok K. Adya and **Rebie M. N. Jallah**, *Dynamics and Structure of Ion Solvation Shells in Dimethyl Sulfoxide Solutions: Molecular Dynamic Simulations* // International Workshop On Dynamics In Confinement, Grenoble, France, 26-29 January 2000. – 2000. – P. 43.
- Nourddin S. Bshena and **Rebie M. N. Jallah**, *SiO<sub>2</sub>-The Potential Source of Industrial and Biotechnological Applications*, University of the Seventh of April, Faculty of Sciences Zawia-Libya, 2007.
- Mohamed Ellafi and **Rebie Jalah**, *Physical and Electrochemical impact to increase functional virus groups on Bayredel components*, Chemistry section, department of chemistry, Faculty of Science, Alfateh University, 2007.
- **Rebie M. N. Jallah**, Enagh Ahmed, Abdulkareem Hamid, Fatimah Ehbael, *Scientific and Theoretical Applications of Virtual Chemical Labs in Developing University Scientific Students' Skills (Physical Chemistry)*, Conference on Quality Assurance, Tripoli University, 2018.

### **IT skills:**

Microsoft Office Word, PowerPoint, Flash, PHET, and Crocodile.

### **References:**

Available upon request.

✉: **Rebie Jallah**

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