



Curriculum Vita

Personal Details:

First Name: Abdulhakim Ali

Sure Name: Jangher

E- mail: ajonger@yahoo.com.

Mobil number: 00218913755391

Date of birth: 20 / April / 1967.

Gender: Male.

Marital: Married.

Children: 5 dependent.

Nationality: Libyan.

Address: Togar, Swani - 35 km south of Tripoli, Tripoli; Libya.

EDUCATION:

PhD of Physical Chemistry, Cardiff University, Cardiff, UK, 2011.

MSc of Physical Chemistry, University of Tripoli, Tripoli, Libya, 2002.

BSc of Chemistry, University of Tripoli, Tripoli, Libya, 1990.

PROFFSSIONAL EXPERIENCE:

Associate Professor (Full time): Chemistry department, Faculty of Science, University of Tripoli, Libya; 21/07/2020 - Present.

Assistant Professor (Full time): Chemistry department, Faculty of Science, University of Tripoli, Libya; 01/07/2015 – 01/03/2020.

Lecture, (Full time): Chemistry department, Faculty of Science, University of Tripoli, Libya; 01/03/2012 - 30/06/2015.

Teaching Assistant (Part time): School of Chemistry, Cardiff University, Cardiff, UK, 01/04/2007 - 01/11/2011.

Assistant Lecture (Full time): Chemistry department, Faculty of Science, University of Tripoli, Libya; 01/08/2003 - 01/06/2006.

Researcher Chemist (Full time): Industry Research Centre, Tripoli, Libya,
01/08/1995 - 31/07/2003.

Teacher (Full time): Secondary School, Ganzour, Tripoli, Libya;
01/09/1992-31/07/1995.

RESEARCH INTERESTS:

My research interests are in the area of polymer, surface chemistry and colloidal Chemistry including; surfactants, copolymers, (Pluronic) interaction copolymers-surfactants. Specific research topics include:

1. Temperature and Cosolvent Effects on Polymer in Solution.
2. Equilibrium, Kinetic and Thermodynamic Studies of heavy metals Adsorption from Aqueous Solution onto Moringa oleifera.
3. Equilibrium, Kinetic and Thermodynamic Studies of Dyes Adsorption from Aqueous Solution onto Bentonite.
4. Synthesis and Studies Structural, Optical and Electrical Properties of Nanocomposites Poly(vinyl pyrrolidone) with Zirconium dioxide Nanoparticles Prepared by Different Methods.
5. A study of micellization process of Sodium Dodecyl Sulfate and Hexadecyltrimethylammonium Bromide mixtures in aqueous Solutions.
6. Structure Study of Pyrolysis Fuel Oil and its possible use in RASCO.
7. Study of Rheological, Optical and Dielectric Properties of Poly(vinyl pyrrolidone), PVP in chloroform solutions.
8. Synthesis and Evaluating of The Organic Solar Cells Made by Using Conjugated Polymers (PEDOT/PSS) with Zinc Oxide and Poly(3-hexyl thiophene).

RESEARCH PUBLICATIONS:

Journal Publications:

1. G. Yaşayan, A. O. Saeed, F. Fernández-Trillo, S. Allen, M. C. Davies, **Abdulhakim A. Jangher**, Alison Paul, Kristofer J. Thurecht, Stephen M. King, Ralf Schweins, Peter C. Griffiths, J. P. Magnusson and C. Alexander,

- “Responsive hybrid block co-polymer conjugates of proteins–controlled architecture to modulate substrate specificity and solution behaviour”*, Polymer Chemistry, vol.2, pp: 1567-1578 (2011).
2. **Abdulahakim A. Jangher**, P.C. Griffiths, A. Paul, R. Schweins, R.K. Heenan and S.M. King, *“Polymeric Micelle Disruption by Cosolvents and Anionic Surfactants”*, *Colloids and Surfaces A. : Physicochemical and Engineering Aspects* ,vol. 391, Issues 1–3, pp:88–94 (2011).
 3. M. M. Kalifa, M. R. Altabi, S. M. El-Mashri and **Abdulahakim A. Jangher**. *“Phase transition in $CuSn_{3.75}S_8$ ”*, Rewaq Almarefa Journal, vol. 1, Issues 1&2, (2014).
 4. S. N. Wadi, **Abdulahakim A. Jangher**, and M. A. Al-Mahabis. *“Characterization and Investigations on Bentonite Clay from Murzuq Deposit”*; Journal of Applied Chemical Science International, vol. 4, Issue: 1, (2015).
 5. S. K. Shakshooki, F. A. El- Akari, **Abdulahakim A. Jangher** and A.M. Hamasi; *“Facile Synthesis of γ -Zirconium Phosphate-Fibrous Cerium Phosphate /Emeraldine Salt Nanocomposite Membranes”*, American J. of Chemistry, vol. 5, No. (3); pp: 75-85, (2015).
 6. Nuha Ali Khalaefa and **Abdulahakim A. Jangher** *“Physical and Chemical Properties of Ground-Water in Sayad with respect to Drinking and Agriculture Purposes”*, Libya for Applied and Technical Science: vol. 3 No.1, (2015).
 7. **Abdulahakim A. Jangher**, Basher M. Mahara and Shaban W. Armalli. *“Biosorption of Thorium from Aqueous Solution by Moringa Oleifera Bark: Equilibrium and Kinetic Studies”*, Journal of Applied Chemical Science International; vol. 8; No. (1); pp: 22-31, (2017).
 8. S. K. Shakshooki, F Masaudi, F. El-Akari and **Abdulahakim A. Jangher** *“Poly(vinyl alcohol)-, Polystyrene/Theta Type Zirconium Phosphate Nanocomposite Membranes”*; Academic Journal of Chemistry, vol. 2, No. 12, pp: 143-154, (2017).
 9. Najat Emhemid Daw, Mohamed Kalifa Ellafi, Saban Wanis Al-Rmalli, and **Abdulahakim A. Jangher** *“Biosorption of Mercury (II) from aqueous solutions By Moringa Oleifera Bark: Equilibrium and Kinetic study”*, International Journal of Biochemistry and Biomolecules; vol. 4: Issue 2; pp: 36 - 47; (2018).

10. **Abdulkhikim A. Jangher,** Fahima N. Almasoude, Mahmoud M. Aban ,Saeed N. Wadi and M. A. Al-Mahabis; “*Influence of Ionic Strength, pH and Cation Exchange Capacity for Different Types Clay Minerals from Libya; Regions Gharyan, Murzuq and Taourgha*”; Academic Journal of Chemistry; vol. 3, Issue. 3, pp: 29-34, (2018).
11. Alaa M. El-Betany, Elbadawy A. Kamound, Craig James, **Abdulkhikim A. Jangher,** Ghaith Aljayyousia, Peter Griffiths, Neil B. McKeown, Mark Gumbleton, “*Auto-fluorescent PAMAM-based dendritic molecules and their potential application in pharmaceutical sciences*”, International Journal of Pharmaceutics, 579, pp: 1-6, (2020).
12. Fatima M. Elarbi, **Abdulkhikim A. Jangher,** Laila M. Abu-sen and Zaineb O. Ettarhouni; “*Determination of CMC and interfacial properties of anionic (SDS) and cationic (CPB) surfactants in aqueous solutions*”; American Journal of Engineering Research; vol. 9, Issue 8, pp:118-126, (2020).
13. Marwa S. Al-howach, Zaineb O Ettarhouni and **Abdulkhikim A. Jangher;** “*Studying the rheological properties of poly(vinyl pyrrolidone) in chloroform solutions*”, Journal of Pure & Applied Sciences; vol.19, No. 2, pp: 1-5, (2020).
14. Marwa S. Alhosh, Zainab O. Ettarhouni, Laila M. Abusen and **Abdulkhikim A. Jangher,** “*Concentration, Temperature and Molecular weight dependent on Optical Properties of Poly(vinyl pyrrolidone)in chloroform solutions*”; International Journal of Engineering Research & Technology , vol. 9, Issue 7, pp: 238 -247, (2020).
15. Muftah Adbulhadi Kadi, Ismail M. Awgheda, **Abdulkhikim Ali Jangher** and Fathi A. Smida, “*Structure study of pyrolysis fuel oil in (Ras Lanuf Oil & Gas Processing Company) RASCO-LIBYA*”, International Journal of Scientific & Engineering Research, vol. 12, Issue 3, pp: 2229-5518 (2021).
16. Marwa S. Alhosh, Mahamod M. Aban, Lagili O. Abouderbala and **Abdulkhikim A. Jangher,** “*Permittivity and Dipole moment of Poly(vinyl pyrrolidone) in chloroform solutions*”, **University Bulletin** Issue No. 23, vol. 1 (2021).

COURSES TAUGHT:

Undergraduate:

1. General Chemistry (Theoretical and Practical).
2. Thermodynamic (Theoretical and Practical).
3. Solid Chemistry (Theoretical and Practical).
4. Electro Chemistry (Theoretical and Practical).
5. Kinetic Chemistry (Theoretical and Practical).
6. Chemical Industrial (Theoretical and Practical).

Postgraduate:

1. Colloids, surface chemistry and catalysis.
2. Thermodynamics of real systems.
3. Physical properties of Polymers.
4. Surfactants and Polymers.

COMPUTER SKILLS:

1. Internet application and internet browsers.
2. Excellent in using Microsoft Word in all different publications.
3. Excellent in using Microsoft PowerPoint and Excel.
4. Experienced in internet research through open directory.
5. A very good experience about computer hardware and an excellent experience about using printers and scanners.
6. Professional in using all chemistry databases PubMed SciFinder and web science.
7. An outstanding knowledge in dealing with all scientific software, such as Endnote, Sigma plot and Origin.

SCIENTIFIC AND PROFESSIONAL SOCIETIES:

1. Libyan Chemical Society.
2. Society of Chemical Industry. **Techniques**

Experience

1. Online Tensiometer SITA Science line for surface tension measurements.
2. Perkin-Elmer LB50 Luminescence spectrophotometer for Fluorescence measurements.

3. Perkin-Elmer LB45 Luminescence spectrophotometer for UV-vis measurements.
4. Ostwald capillary viscometer for viscosity measurements.

REFFERNCES:

1. Professor Peter Griffiths

Faculty of Engineering and Science, Greenwich University, UK.

Email: p.griffiths@gre.ac.uk

2. Professor Sadak Kalifa Shakshooki

Department of Chemistry, University of Tripoli, Libya.

Email: shakshooki2002@yahoo.com.

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