

CURRICULUM VITAE (CV)

PERSONAL INFORMATION

NAME: MOHAMED MOHAMED KHALIFA ALLAFI

SCIENTIFIC DEGREE: Professor of physical chemistry.

WORKING PLACE: University of Tripoli, faculty of science/ chemistry department.

DATE OF BIRTH: 1/1/1954

NATIONALITY: Libyan

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MARITAL STATUS: MARRIED

EDUCATION AND TRAINING:

BSc. 1982 Chemistry Department University of Washington DC, USA

MSc. 1993 Institute of physical chemistry Leipzig University, Germany

PhD 1995 Institute of physical chemistry Leipzig University, Germany

WORKING POSITIONS:

Head of the unit of analytical chemistry Tajura nuclear research center (1998- 2000)

Head of the scientific department at the polymer research Center Tripoli, Libya (2000- 2004)

Member of the scientific committee at the polymer research Center (1999-2007)

Member of international advisory committee for the polymer research Centre (2000-2003).

Member of the Libyan Chemical Society.

Head of the Chemistry department at the University of Tripoli (august 2015 -2019)

Academic Activities:

Teaching undergraduate and graduate courses.

Supervised graduate and undergraduate thesis.

Publications

- 1- M.M K., S.M. EL-MASHRI AND M.N.AVASTI: HEAT OF TRANSPORT OF THE ORGANOMETALLIC SUPERIONIC MATERIAL $Ag_{13}[(CH_3)_2(CH_5)_2N]_2I_{15}$, PHYS. STAT. SOL. A,133,K177 (1989)
- 2- P.Harting, M.M. Khalifa. and P. Braeuer :Postervortrag anlaesslich der 24 Hauptversammlung der Gesellschaft Deutscher Chemiker, 5-11/9/1993,Hamburg.
- 3- P. Harting, M.M. Khalifa. Salem, P. Braeuer,M. Heuchel :Vortrag anlaesslich der 6 Deutscher Zeolith-Tagung vom , 7-8/3/1994, Bochum.
- 4- PBraeuer, P. Harting, M.M.Khalifa. ,M .Heuchel and M.v.Szombathely:Vortrag in GVC-Fachausschuss-Sitzung "Thermodynamik" und VDI-GET "Thermodynamik Kolloquium" vom 4-6/10/1994, Kaiserslauten.
- 5- M.M.Khalifa, P. Harting: Vortrag zur Jahrestagung der Arbeitsgemeinschaft Stabile Isotope e.V.Kiel, 15-17/09/1993.
- 6- M. M. Khalifa . P.Harting and P.Braeuer: Isotopenpraxis.Enviro.n.Health.Stud. 30,189,1994.
- 7- P.Brauer, M .M. Khalifa., M.v. Szombathely , M.Heuchel, P Harting and M. Jaroniec: Fith International Conference on Fundamental of Adsorption, May 1995, California USA.
- 8- P.Braeuer, M .M. Khalifa., M.v. Szombathely , M.Heuchel, P Harting and M. Jaroniec: Second International Symposium "Effects of surface heterogeneity in adsorption and catalysis on solids" 4-10/09/1995.
- 9- J. Germanus, M.M .Khalifa and P.Harting : 26GDCh-Hauptversammlung und 100-Jahrfeihalifaer der GOECH, Wien 7-11-/09/1997.
- 10- P.Harting , M.M.Khalifa J. Germanus, and S. Beutekamp: 26GDCh-Hauptversammlung und 100-Jahrfeier der GOECH, Wien 7-11-/09/1997.
- 11- M .M .Khalifa., P.Brauer et.al. Thermodynamics of high pressure adsorption of Ar, N₂, CH₄ on microporous adsorbents, Langmuir, Volume 14,12,3376-3389 (1998)
- 12- P. Braeuer, M.M.Khalifa. Ellafi, P. Harting and K.Quitzsch: Separation and Purification Technology, 12, 255-263 (1997)
- 13- M.M.Khalifa. Ellafi and S.M. Abdulahfid: Evaluation of Isotope effect by Dissolving Gases in Crude Oil at High Pressure : Fifth Arab Conference on Peaceful Uses of Atomic Energy, Beirut, 13-17/11/2000
- 14- M.M.K. Salem Ellafi, S.M. El-Mashri and M.N.Avasti: Study of a new solid superionic materials $Ag_7P_3S_{11}$, Physica B.321,393-395 (2002)
- 15 M.M.K. Salem Ellafi, S.M. El-Mashri and M.N.Avasti: Thermoelectric power study of $Ag_7C_6H_{14}NI_8$, Physica B.321,388-392 (2002)
- 16 Khald Kh.Kher, A.Elkaseh, M.M.K.Salem Ellafi and F.Massaud: Plastic Industry in Libya: an overview, Dubai Plast Pro, 4/2002.
- 17- F.A. Massaoud, M.M.K. Ellafi, Khaled Kher and Eribi Jalla: Uses of Calcium carbonate in plastic industry: First seminar on recent application of polymers , Tripoli –Libya 11-12/12/2002.
- 18- A.M.Dajan, K.Kher and M.M.K.Ellafi: Detectable Isocyanates During the Weld-Heating of Polyurethane Based Plastics Products.

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- 19- عبد الحميد الدجن و محمد محمد خليفة و فتحي مسعود: أداء بطانة بلاستيك عديد الإثلين العالي الكثافة كمادة عازلة في مكعبات المخلفات البروتينية الخالية من الاكسجين , ندوة إدارة النفايات الصلبة القابلة للتدوير و إعادة الاستخدام , بنغازي ليبيا من 7-2003/12/9
- 20- أمان الخلفوني , منال القاضي , عبد الحميد الدجن , محمد محمد خليفة : تقنية التخلص من النفايات البلاستيكية من المستشفيات والعيادات الطبية في ليبيا ندوة إدارة النفايات القابلة للتدوير و إعادة الاستخدام, بنغازي ليبيا من 7-2003/12/9
- 21- أمان الخلفوني , فتحية الاحمر , منال القاضي , عبد الحميد الدجن , محمد محمد خليفة اللافي و نوري الدروق : المركبات السامة الناتجة من حرائق البوليمرات , ندوة الأثار للمخلفات الكيميائية في الوطن العربي طرابلس من 19-2004/04/21
- 22- العجيلي عثمان أبودريالة , محمد محمد خليفة اللافي والرعي نصر جلة :الخصائص الفيزيائية و الكهروكيميائية لبعض مركبات البارييدل : المجلة الليبية للعلوم 16,31 2009.
- 23- S.K.Shaksooki, M.M.K.Ellafi and S.M El-Mashri: Thermal Behavior,FT-IR and Ionic Conduction of Granular Zirconium Phosphate and Mixed Zirconium Titanium Phosphates and their Li+, Ag+ Doped Materials, the 11th International Chemistry Conference in Africa, Luxor, Egypt, 20-23/11/2010
- 24- S.K.Shaksooki, M.M.K.Ellafi and S.M El-Mashri and F. ElTorki: Proton conductance of glassy Tin Phosphates :,Academic Journal of Science, 2012, **1** (2), 289.
- 25- M.M.K.Ellafi, S.K.Shaksooki and S.M El-Mashri: Thermoelectric Power Study of Superioric Conductor Ag₇P₃S₁₁, Egypt.J. of anal. Chem. **23**, 34 -39 (2014) .
- 26- M.M.K.Ellafi, S.K.Shaksooki, American Journal of Chemistry,4(2): 73-77,(2014).
- 27- M.M.K.Ellafi, M.R.Etalbi, S.M.El-Mashri and A.A. Jangher: Phase Transition in CuSn_{3.75}S₈ Rewaq Almarefa, **first and second Issues**, 108-114 (2014).
- 28- Najat E. Daw, Abdulhakim A. Jangher, Faraj A. Al-Refai, Mohamed M. Allafi, Shaban W. Al-Rmalli: Biosorption of Mercury (II) from Aqueous Solutions by *Moringa oleifera* Bark: Equilibrium and Kinetic Studies, International Journal of Biochemistry and Biomolecules Vol. **4**: Issue **2**, 36-47 (2018).
- 29- S. K. Shakshooki , F. A. El-Akari , Suheila E. Kara and M. K. Allafi : γ -Zirconium Titanium-Phosphates – Fibrous Cerium Phosphate / Polyaniline, Polyindole, Polycarbazole and Polyimidazole Nanocomposite Membranesm , Academic Journal of Chemistry, **Vol. 7**, Issue. 2, pp: 30-41, (2022)

CURRENT INTEREST: CONDUCTIVITY OF SUPER-IONIC MATERIAL, CONDUCTIVE POLYMERS.