

## CURRICULUM VITAE

### Personal Details

<b>Surname</b>	Aboud
<b>First name</b>	Taufik
<b>Middle name</b>	Khalifa
<b>Date of birth</b>	30/10/1954
<b>Marital Status</b>	Married
<b>Nationality</b>	Libyan
<b>Designation</b>	Professor
<b>Department</b>	Materials & Metallurgical Engineering
<b>Faculty</b>	Faculty of Engineering
<b>University</b>	University of Tripoli
<b>Tel. No.(Office)</b>	+218214628660
<b>Mobile</b>	+218913725484 & +218928646498
<b>Fax</b>	+218214628660
<b>Mail address</b>	P. O. Box 13579, University of Tripoli/Tripoli-Libya
<b>E-mail address</b>	<a href="mailto:t.aboud@mme.uot.edu.ly">t.aboud@mme.uot.edu.ly</a> & <a href="mailto:t_aboud@yahoo.co.uk">t_aboud@yahoo.co.uk</a>

### Academic Qualifications

**B. Sc.** in Geophysics, from the Department of Geology, Faculty of Science, Al-Fateh University, Tripoli-Libya, 1981.

**M. Sc.** in the Science and Technology of Ceramics, from the Department of Ceramics, Glasses and Polymers, University of Sheffield, United Kingdom, 1984.

**Ph. D.** in Engineering Materials (Glass-Ceramics), from the Department of Glasses & Enamels, Faculty of Material Science and Ceramics, Academy of Mining & Metallurgy (AGH), known now as the University of Science and Technology (UST), 1997.

## Working Experience

- \* University Staff member since 1984, teaching introductory courses in materials science and engineering, in ceramics, glasses and glass-ceramics, both on the undergraduate and postgraduate levels.
- \* Supervision of B. Sc. Projects dealing with the evaluation of the suitability of locally available raw materials for making ceramics, glasses and glass-ceramics among others.
- \* Head of the Department of Materials & Metallurgical Engineering from 2002 to 2006.
- \* Membership in different technical committees belonging to many public sectors including the Ministry of Industry, the Libyan Mining Company and the Libyan Centre for Standardization and Metrology.
- \* General chair of the IV Arab Congress on Material Science (ACMS), organized by the Department of Materials & Metallurgical Engineering, Faculty of Engineering, Al-Fateh University, Tripoli-Libya, 2005.
- \* Membership of the Executive Board of the Libyan Iron & Steel Company (LISCO), from 2005 to 2011.
- \* Rector of Al-jabal Al-gharbi University from 2010 to 2011.

## Publications

- 1 – **T. K. Aboud** and G. M. Fryer, "Irreversible Dilation on Heating Pressed Pellets of Alumina Powder", Br. Ceram. Trans. J. 84, 37-38, 1985.
- 2 – M. L. Mehta, **T. K. Aboud**, M. B. Eltalhi and N. A. Elrabiy, "Mechanically Alloyed Alumina Dispersion Strengthened Copper", PMI, 22,[5], 1990.
- 3 – **T. K. Aboud** and E. M. Zindah, "Evaluation of the Suitability of Brak Clays for Production of Clay Building Bricks", First Symposium for Building Technologies and Construction Materials, Tripoli-Libya, 1989.
- 4 – E. M. Zindah, **T. K. Aboud** and H. Nussair, "Utilization of Hydraulic Lime for Production of LSB", Proceedings of the World Building Congress CIB", 92, Montreal, Canada, 170-174, 1992
- 5 – **T. K. Aboud**, E. M. Zindah and Z. M. Almassri, "Influence of Different Fillers on Ashkeda Clays for Production of Clay Bricks", Proceedings of the International Ceramic Congress, Istanbul, Turkey, 342-350, 1992.
- 6 – L. Stoch and **T. K. Aboud**, "Structural Classification of Phosphate Glasses", Special Glasses and Amorphous Materials, Ceramica 43, 267-270, 1993.

- 7 – L. Stoch and **T. K. Aboud**, "Crystallization of Silicate Glasses Modified by  $AlPO_4$  Admixture", Polish Ceramic Bull., 49, 75-87, 1996.
- 8 – **T. Aboud** and L. Stoch, "Crystallization Behavior in the Glass System  $SiO_2-P_2O_5-Al_2O_3-MgO-Na_2O$ ", J. non-Crystalline Solids, 219, 149-154, 1997.
- 9 – **T. Aboud** and L. Stoch, "Crystallization Behavior in the Glass System  $SiO_2-P_2O_5-Al_2O_3-MgO-CaO-Na_2O$ ", Proceedings of the Fundamentals of Glass Science and Technology Conference", Vaxjo, Sweden, 430-437, 1997.
- 10 – **T. Aboud** and L. Stoch, "Effect of  $SiO_2$  as a Replacement for  $AlPO_4$  in Aluminophosphosilicate Glasses on their Vibrational Spectra and Crystallization Behavior", 2<sup>nd</sup> Arab Congress on Material Science ACMS-II, Rabat, Morocco, 2001.
- 11 – **T. Aboud**, I. Abied M. Saleh, "Libyan Kaolins as a Promising National Resource", Proceedings of the 6<sup>th</sup> International Conference on Geology of the Arab world", Cairo, Egypt, 845-854, 2002.
- 12 – **T. Aboud**, L. Stoch and M. Sroda, "Synthesis and Powder Ceramization in the Glass System  $SiO_2-P_2O_5-Al_2O_3-MgO-K_2O$ ", Proceedings of the 6<sup>th</sup>ESG Conference, Montpellier, France, 2002.
- 13 – **T. Aboud**, M. Saleh, I. Abied and S. K. Suwesi, "Validity of Libyan Sandstones for Multipurpose Glass Production", Proceedings of the 5<sup>th</sup> International Conference on the Geology of the Middle East", Cairo, Egypt, 607-616, 2003.
- 14 – **T. Aboud**, "Crystallization Sequence in the glass System  $SiO_2-P_2O_5-Al_2O_3-MgO-Na_2O$ ", J. Phys. Chem. News 11, 118-121, 2003.
- 15 – **T. Aboud** and A. Zyani, "Cordierite Crystallization in Bulk Aluminosilicate Glasses Containing  $P_2O_5$ ", 3<sup>rd</sup> Arab Congress on Material Science ACMS-III, Cairo-Hurghada, Egypt, 15-23, 2003.
- 16 – **T. Aboud**, L. Stoch and M. Sroda, "Quartz Crystallization in Soda-Lime-Silica Glass", J. Optica Applicata, Vol. XXXV, No 4, 2005.

17- آفاق الاستثمار في الموارد الطبيعية الليبية الواعدة اقتصاديا

توفيق عبود و محمد مفتاح

المؤتمر العربي الثامن للثروة المعدنية

صنعاء / الجمهورية اليمنية 2003

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18 – **T. Aboud**, "Libyan Desert Glass: Has the Enigma of Its Origin Been Resolved?" Physics Procedia, 2, 1425-1432, 2009.

19 – **T. Aboud**, "Libya's Kebira Crater and the Impact Origin of the Libyan Desert Glass", Proceedings of the 11<sup>th</sup> ECERS Conference, Krakow, Poland, 708-711, 2009

20 – **T. Aboud**, "AlPO<sub>4</sub>-Modified Silicate Glasses as a Fertile Source for Crystallization of Various Technically Favorable Minerals, J. of Advanced Materials Research, Vol. 748, 196-200, 2013.

21- **T. Aboud**, " Glass Ceramization as an Alternative Production Route of Forsterite Glass-Ceramics for Possible Multipurpose Uses", J. of Advanced Materials research, Vol. 1043, 138-144, 2014.

22- **T. Aboud**, " Aluminophosphosilicate Glasses as an Alternative Source for Microporous Materials of Technically Attractive Compositions and Morphological Characteristics", J. of Applied Mechanics and Materials, Vols. 799-800, 145-152, 2015.