

Curriculum Vitae

Personal Details

Name: Nabile Abdulwahab Hassine
نبيل عبدالوهاب المختار حسين

Date of Birth: 1st of August 1965

Nationality: Libyan

Marital Status: Married

Home Address: Azzawia, Libya

e- mail: n.hassine@uot.edu.ly
nabs65@hotmail.com

Tel: +218 92 518 22 45
+218 91 6777229

Work Address: Metallurgical and Materials Engineering Department, Faculty of
Engineering, Tripoli University, Tripoli, Libya
Fax No. 00218 21 4628072 – 462 5098.

Education and Qualifications

1980 – 1983 Zawia High School, Zawia, Libya.

1984 – 1986 Barry College of Further Education, Barry, South Wales, United
Kingdom.

1986 – 1990 The University of Nottingham, U.K.
B. Eng. (Hons.) 2.II Metallurgy and Materials Science.

Years 1, 2 and 3 Subjects Studied: Physics, Pure Maths, Chemistry, Mechanical
Behaviour of Solids, Physics of Materials, Manufacturing
Technology, Thermodynamics, Crystallography, Control of
Microstructure, Polymers, Transport Processes, Structure –
Property Relationship, Electrochemistry, Computing, Engineering
Maths.

Year 4 Nuclear Engineering, Structure and Properties of Alloys, Corrosion
Technology, Polymer Engineering, Deformation and Fracture of
Materials, Ceramics and Glasses, Materials Design, Selection and
Use, Theory of Production Processes.

B. Eng. Project Microwave Slip Casting of Alumina Suspensions.

1990 – 1994 The University of Nottingham, U.K.
Ph. D: Microwave – Assisted Synthesis of Non – Oxide Ceramic
Powders.

Work Experience

1995 – Present Time Full – time Lecturer at the Department of Metallurgical and
Materials Engineering, University of Tripoli, Tripoli,
Libya.

Teaching Experience: Undergraduate courses taught include:- (1) Introduction to
materials science; (2) Introduction to metallurgy, a course
designed for Mechanical Eng. Students; (3) Properties,
structure and processing of ceramics (Ceramics I and II);
(4) Physics of Materials, (5) Polymeric materials,
(6) Introduction to nanomaterials.

Initiating, developing, and supervising final year research
projects on production and processing of ceramic materials
and ceramic – polymer composites for undergraduate
students.

Successfully- supervised two M.Sc. projects; the first was
on the influence of nano-sized powder content on the
properties of prepared waste refractory brick, and the
second project involved investigating the I-V electrical
characteristics of sintered zinc oxide.

Job Promotions: Promoted to Assistant Professor in July 2000.
Promoted to Associate Professor in September 2010
Promoted to Full-Professor in April 2020.

Research Interests: Production and Processing of Ceramic Materials, Sintering
and characterization of nanozirconia ceramic powders,
Processing and characterization of ceramic – polymer
composites and nano composites,

Selected Publications: N. A. Hassine, J. G. P. Binner & T. E. Cross, “Synthesis of
Refractory Metal Carbide Powders via Microwave
Carbothermal Reduction”, Int. J. of Refractory Metals &
Hard Materials, vol.13 (1995), pp. 353 – 358.

J. G. P. Binner, N. A. Hassine & T. E. Cross, "The Possible Role of the Pre – exponential Factor in Explaining the Increased Reaction Rates Observed during the Microwave Synthesis of Titanium Carbide", *J. of Materials Science*, vol. 30, (1995), pp. 5389 – 5393.

N. Hassine, "Preparation and Tensile Testing of Polyethylene – Zeolite Composites", *J. of Industrial Research Centre, Tripoli – Libya*, vol. 23, (2008), pp. 59 – 72.

N. Hassine, "Microwave Sintering of Nano – Zirconia", *J. of Industrial Research Centre, Tripoli – Libya*, vol. 24, (2009), pp. 95 – 108.

N. Hassine, M. Alsreez and M. Alrtemy, "Preparation of Alumina – Filled Polyethylene Composites, Tensile Strength and Dynamic Mechanical Analysis Testing", *J. of Engineering Research*, Issue (11), (2009), pp. 91 – 98.

N. Hassine, et. al, "Synthesis of Nano-crystalline Zirconia Powder", *J. of Engineering Research*, Issue (17), (2012), pp. 15 – 20.

N. Hassine, "Nanostructured TiO₂ Films as Light Harvesting Materials", *J. AL-OSTATH*, Issue 9, Autumn 2015, pp. 4 – 10.

N. Hassine and Hana Jamhour, "Influence of Nano-sized Powder Content on Physical Properties of Waste Acid Refractory Brick", *J. AL-OSTATH*, Issue 14, Spring 2018, pp. 4 – 22.

N. Hassine and Hana Jamhour, "Influence of Nano-sized Powder Content on Thermal Properties of Waste Acid Refractory Brick", *University Bulletin – Issue 20, Vol. 2*, October 2018.

N. Hassine and Alzaera Shtoop, "Investigation of I – V Electrical Characteristics of Sintered Fine-Grained Zinc Oxide", *J. of Engineering Research*, Issue 27, March 2019, pp. 27 – 38.

N. Hassine, et. al., "Measurement of Mechanical Properties of Re-cycled Waste Refractory Brick", *University Bulletin – Issue 21, Vol. 3*, May 2019, pp. 31 – 48.