

# Curriculum Vitae

## Personal Details

Name: Nabile Abdulwahab Hassine  
نبيل عبدالوهاب المختار حسين

Date of Birth: 1<sup>st</sup> of August 1965

Nationality: Libyan

Marital Status: Married

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## 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 TiO<sub>2</sub> 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 Shteeb, "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.