

Biography (CV) of Dr. Bashir Hassan Arebi

(5 pages)

1- Personal data:

Title: Prof. Dr.

Name: Bashir Hassan Arebi.

Date of birth: 10-01-1960

Nationality: Libyan.

Marital status: married.

Home address: Tajura- Tripoli, Libya.

Mobile + 218-092-5828697 **Phone:** +218 - 021-3695897,

Email: arebi_bashir@yahoo.co.uk

Work: Faculty staff member (professor) - Faculty of Engineering
–Tripoli University, (Tripoli – Libya)

2-Qualifications and training:

From	To	Institution	Place	Qualifications or type of training	Area of specialization
Oct. 1977	June 1982	Tripoli University in Libya + one year in (Finland+ Belgium)	Libya + Finland + Belgium	(B. Sc.)	Nuclear & Energy Engineering
1989	1996	Strathclyde University Glasgow- Uk	UK	Ph. D.	Mechanical Engineering (Thermo-Fluids, Two Phase Flow, Reactor thermo-hydraulics)
1985	2008	Training & studying in a number of universities and training centres in Finland, Belgium, Yugoslavia& UK	Finland- Belgium Yugoslavia & UK	Certificates in the field of Mechanical & Nuclear Eng. Including Lab training & courses of using computational software.	Power Eng. (power plants, Solar Energy, Desalination). Also Lab training & computational software.

3- Career

Time period		Work place Or study	position	Nature of work
From	To			
Year 1982	Year 1983	Faculty of Engineering (Nuclear & Energy Eng. Dep.) (Tripoli University – Libya)	Teaching assistant/engineer	Tutorials & Lab. Engineer
Year 1983	Year 1985	1- Secretariat of energy & scientific research (Energy division)	Engineer, Researcher	Studies related to energy production (study and planning to build power & desalination plant in Libya)
Year 1985	Year 1989	Secretariat of energy & scientific research (Tajoura Nuclear Research Centre)	Researcher	Studies related to the reactor safety analysis and radio- isotopes production
Year 1989	Year 1996	Strathclyde University in UK	PhD student.	PhD student (Mech. Eng. Dept. (Energy –systems division)
Year 1996	Year 2001	1) Tajoura Research Center. 2) Faculty of Engineering (Tripoli University) as cooperative.	1- chief of research & development unit 2- Collaborating faculty staff member.	1-Research work. (Tajoura Nuclear Research Center). 2- Teaching and supervising undergraduate and graduate students in the faculty of engineering.
Year 2001	Till now 2022	Faculty of Engineering (Tripoli University) (Tripoli – Libya)	(1) Faculty Staff member (2) Head of Nuclear Department (2007- 2012) (3) Coordinator of the quality and standards of teaching and University performance (2013 - 2014) 4- Coordinator of Higher Studies on the Department of Nuclear Engineering	1- Teaching and supervising undergraduate and graduate students 2- Accreditation of engineering education in accordance with the standards of the of ABET 3- Head of The Department of Nuclear at the Faculty of Engineering-Tripoli University 4- Head of the Curriculum Office of the Faculty of Engineering. 5- Coordinator of Higher Studies on the Department of Nuclear Engineering.

4- Language: Arabic and English.

5- Computer Knowledge: Microsoft Office, FORTRAN, MINITAB and numbers of Computational Software.

5- Undergraduate and postgraduate teaching and scientific production

Place	Courses & Supervision
<ul style="list-style-type: none"> ●- Faculty of Engineering University of Tripoli (Tripoli-Libya), ●- Faculty of Engineering in Sobrata (Zavia University - Libya) 	<p>1- (power plants, Reactor Thermo-hydraulics, Thermo-fluid Lab, Desalinations, Thermodynamics, Heat transfer, Fluids, graduation projects)</p> <p>2- Teaching materials for postgraduate (Two-phase flow, Advanced heat transfer, Advanced fluid advanced thermodynamics, Energy systems, Reactor core analysis).</p> <p>3- Supervision postgraduate projects (more than 9 theses) related to: Solar Energy, Thermal Desalination & Energy, Thermo-hydraulics Analysis, Reactor Safety Analysis etc.</p>
Scientific production in numbers of journals, local and international scientific conferences	A number of research papers published (more than 17 papers (listed below)).

6- A number of research papers published in scientific journals or scientific conferences.

(1) Bashir H. Arebi, Hassan M. Abuhaffa and Feisal A. Abutweirat. "Thermal- Hydraulic Analysis of Tajoura Reactor Core During Transient State After Cost-Down of Cooling Primary Pumps During the Filling of The Emergency Tank, Part II". Journal of Engineering Research, Issue (21) March 2016.

(2) Bashir H Arebi & Nagma M Omran "Evaluation of Radio-Nuclides Accumulated in A Target Irradiated in A Nuclear Reactor". Journal of Engineering Research pp 76-86 No. 6 (2006).

(3) Bashir H. Arebi & W. Dempster "Bubble Formation at Two Adjacent Submerged Orifices in Inviscid Fluids". Journal of Engineering Research (2008).

(4) Essaied M. Shuia, Bashir H. Arebi, and Ibrahim A. Abuashe "Experimental and Theoretical Investigation of Performance of a Solar Chimney Model Part I: Experimental Investigation". Solar Energy and Sustainable Development, Volume(3) No (1) 2014.

- (5) B. Arebi, etc. "Validation of Nuclear Calculation Method for The Conversion of Research Reactors to LEU Fuels" proc. of the seminar on the use of research reactors in fundamental & Applied Sciences pp 593-602 (1984).
- (6) Ibrahim A. Abuashe, Bashir H. Arebi, and Essaied M. Shuia "Experimental and Theoretical Investigation of Performance of a Solar Chimney Model Part II: Model Development and Validation". Solar Energy and Sustainable Development, Volume (5) No (2) 2016.
- (7) Rabia AL. Galia, Bashir H. Arebi, and Essaied M. Shuia "Investigation of Solar Chimney System and the Effect of Thermal Storage Capacity on the System Performance Part I: Experimental Investigation" Solar Energy and Sustainable Development, Volume (6) No (2) Dec. 2017.
- (8) Dempster & B. H. Arebi "A Theoretical Model for the Growth and Detachment of Condensing Steam Bubbles at a Submerged Orifice". 2nd Int. symp. on two phase flow modelling and Exp. Psia-Italy- May 1999.
- (9) B. H. Arebi & W. M. Dempster "Steam bubble Growth at single and multiple orifices: Exp. Characteristics". Europium two phase Group meeting Imperial college, London, Aug. 1999.
- (10) Ashur R. Abdunnabi & Bashir Arebi "Efficiency of HPGe well-type detector for point Gamma-Ray Sources and Radioactive Solutions in Vials". of Peaceful Applications of Atomic Energy Vol.-3 pp 1-7 (1999).
- (11) W. M. Dempster & B. H. Arebi "Exp. Characteristics of steam bubble growth at orifice in sub-cooled liquid". Int. comm. Heat Mass Transfer Vol. 28- No. 4 pp. 467-477, Dec. 2001.
- (12) F. M. Ghanjir, B. H. Arebi & N. M. Rouai "Thermal-Hydraulic Analysis of Tajoura Research Reactor During Primary Loop Pumps Failure". Sixth Arab Conference on the Peaceful
- (13) Bashir H. Arebi, Milod Z. Azzabi and Seraj A. Ahmed. "Experimental and Theoretical Investigation of Soil Temperature Profiles During Solarization of Mulched and Bare Soil". Journal of Engineering Research, Issue (25) March 2018.
- (14) M. Abuzeida, B. H. Arebi, Y. A. Zolatarev, N. A. Komarov "Selective Liquid Scintillation method of Uranium α -Spectemetry". Journal of Radioanalytical Anal. Nuclear Chemistry, Articles, Vol. 116, No. 2 (1987) 285-289.
- (15) A. R. Abdunnabi, B. H. Arebi "Accumulation of the Radionuclides in a Irradiated Target" Arab Conference on Peaceful Uses of Nuclear Energy, Damascus, Syria, 1998. W. M.
- (16) A. M. Adali, and B. H. Arebi, "Attenuation Properties and Gamma Heating of A Radiation

Shielding Concrete". Fourth Radiation physics Conference: Nov, 15-19, 1999- Alexandria, Egypt.