

Date 23/9/2021...

MALIK ALI ANAGREH



PERSONAL INFORMATION

Title: Head of Aircraft Maintenance Department

Academic Rank: Associate Professor

Date & Place of Birth: 1-2-1977

Nationality: Jordanian

Address: Amman

Phone No.: 0790851286

e-mail: m.alsalem@aau.edu.jo

ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D	Materials Engineering	2007-2010	University Science Malaysia (USM)	Malaysia
M.Sc.	Materials Engineering	2007	University Science Malaysia (USM)	Malaysia
B.Sc.	Materials Engineering	1995-2000	University of Technology	Iraq

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
May 2021 – Present	Associate Professor	Amman Arab University	Head of Aircraft Maintenance Department Amman Arab University	Jordan
February 2018 February 2021	Associate Professor	University of Tabuk	Department of Mechanical Engineering	Saudi Arabia
February 2018 February 2021	Assistant Professor	University of Tabuk	Department of Mechanical Engineering	Saudi Arabia
1st of March 2011 - 29th of august 2012	Lecturer	Multimedia University	Department of Mechanical Engineering	Malaysia

PUBLICATIONS

JOURNALS

- 1- **Malek Ali**, (2021) Review the effects of ceramics sand particle on most casting defects, Journal of Ceramic Processing Research (under review)
- 2- **Malek Ali**¹, Anwar H. Al-Assaf¹, Samer Falih (2021) Synthesis and Characterization of Date Palm Fibers Reinforced Recycled Polymer Composites, Romanian Journal of Materials (under review)
- 3- **Malek Ali**, (2020) Review of Stir Casting Technique and Technical Challenges for Ceramic Reinforcement Particulate and Aluminium Matrix Composite, Journal of Silicate Based and Composite Materials, 72, No. 6, pp198-204.

- 4- Abderraouf GHERISSI, **Malek Ali**, (2019) Superficial hardening improvement of nano and microcomposite Al /TiC. Journal of Silicate Based and Composite Materials, Vol. 72, No. 1, 25–29. p.
- 5- **Malek Ali**, Abderraouf GHERISSI(2019) Synthesis and characterization of Al-SiO₂ composites. Journal of Ceramic Processing Research 20(3):259-263.
- 6- **Malek Ali**, Abderraouf GHERISSI (2017) Synthesis and Characterization of the Composite Material PVA/Chitosan/5% Sorbitol with Different Ratio of Chitosan. International Journal of Mechanical & Mechatronics Engineering, Vol:17 No:02.
- 7- **Malek Ali**, (2016) Synthesis and Study the Effect of HNTs on Composite Material. International Journal of Materials and Metallurgical Engineering Vol:10, No:2, 2016
- 8- **Malek Ali**, (2016) Synthesis and Characterization of Epoxy Matrix Composites Reinforced With Various Ratios of TiC JJ. M.I. Eng., Vol. 10 Number 4, pp 231-237.
- 9- **Malek Ali**, Balakumeren Suppiah, Zaid Muayaduldeen, (2016) Preparation and Corrosion Behavior of Bronze -40%w Composite. J. M.I. Eng., Vol. 10 Number 2, pp 141-147.
- 10- **Malek Ali**, and Zaid Muayaduldeen (2015) Effect of Milling Duration on powder characterization of (TiO₂, and graphite). Journal of Ceramic Processing Research, Vol. 16, No. 5, pp. 1~5.
- 11- **Malek Ali**, Samer falih, (2014) Synthesis and Characterization of Aluminum Composites Materials Reinforced with TiC Nano- Particles. Jordan Journal of Mechanical and Industrial Engineering, Volu. 8No. 5, pp. 244-250.
- 12- **Malek Ali** (2014) Transformation and powder Characteristics of TiO₂ during high energy milling. Journal of Ceramic Processing Research, Vol15, No. 5, pp. 290~293.
- 13- **Malek Ali**, Ali Samer Muhsan, Projjal Basu, and Faiz Ahmad1 (2013) Developments of Al-12Si Alloys by Reinforcing TiC and TiN Particles. Journal of Engineering Mechanics 10.1061/(ASCE)EM.1943-7889.0000743
- 14- **Malek Ali**, Projjal, and Marwa Liwa (2013) Effect of Mo-Si molar ratio on the Synthesis of MoSi₂ through Mechanical Alloying. Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry. DOI:10.1080/15533174.2012.762783

- 15- Souiyah Miloud, **Malek Ali** (2012) Finite Element Model of Crack Growth under Mixed Mode Loading. International Journal of Materials Engineering, Vol.2(5), pp 67-74.
- 16- Basem Abu Ziend, **Malek Ali**, M. I. Fadhel, Souiyah M. (2012) Design and develop a nondestructive infrared spectroscopy instrument for assessment of mango (*mangifera indica*) quality. Journal of Food Science and Technology, DOI 10.1007/s13197-012-0880-z.
- 17- **Malek Ali**, Marwa Liwa (2012) Modification of parameters in mechanochemical synthesis to obtain α- and β-molybdenum disilicide. Advanced Powder Technology Vol. 24, pp183–189.(IF = 1.6).
- 18- **Malek Ali**, Projjal Basu, Marwa liwa, M. I. Fadhel, Souiyah M., and Basem Abu Ziend (2012) Comparison between the properties of Al-TiC and Al (TiC+Fe₃C+Fe₂Ti+Fe) composites. Arabian Journal for Science and Engineering DOI: 10.1007/s13369-012-0480-2.
- 19- **Malek Ali**, and Projjal Basu (2010) Development of an Alternate Route Based on Mechanochemistry Towards the Synthesis of Nanostructured TiC. ISIJ International Vol.51(2011),No.4.
- 20- **Malek Ali**, and Projjal Basu (2010) Mechanochemical Synthesis of Nanostructured Titanium Carbide from TiO₂ Powders. J. Alloys and Compounds. Vol. 500, pp 220–223. (IF = 2.135).
- 21- **Malek Ali**, and Projjal Basu (2010) Mechanochemical synthesis of nanostructured titanium carbide from industrial Fe–Ti. J. Alloys and Compounds, Vol. 491, pp- 581–583. (IF = 2.135).

CONFERENCES

Author/s (In Order)	Title	Conference	Country	Date
1-	Anwar H. Al-Assaf , Esra Ali, Malek Ali (2021) Developing the interactive digital three-dimensional academic curriculum: a case study of augmented virtual reality XR, The Second International Scientific Conference of the Deanship of Scientific Research and Graduate Studies at Amman Arab University.			
2-	Malek Ali (2016) Synthesis and Study the Effect of HNTs on PVA/Chitosan Composite Material, 18th International Conference on Composite Engineering and Technology,			

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- Dubai, UAE 25-26 February 2016.
- 3- Basem Abu Izneid, **Malek Ali** Ibrahim sukar, and Miloud Souiyah (2012) Development of Wireless Bluetooth Heart Rate Remote Monitoring System, IET International Conference on Wireless Communications and Applications ICWCA Kuala Lumpur, Malaysia, 8 - 10 October 2012.
 - 4- **Malek Ali**, M. I. Fadhel, M.A. Alghoul and K. Sopian (2012) Developments of Al-12Si Alloys by Reinforcing TiN Particles, 6th WSEAS International Conference on Renewable Energy Sources (RES '12) Portugal, July 1-3, 2012,
 - 5- **Malek Ali**, M.I. Fadhel, M.A. Alghoul and K. Sopian (2012) Drying Kinetics of Chilli Pepper in a force Convection Indirect Solar Drying, 6th WSEAS International Conference on Renewable Energy Sources (RES '12) Portugal, July 1-3, 2012,
 - 6- Basem Abu Izneid , Miloud Souiyah., M.I.Fadhel, and **Malek Ali** (2012) Remote Assessment of Fruit quality Using impedance Spectrometry and Fiber Optic Technique. The 3rd International Biotechnology and Biodiversity Conference & Exhibition ,JOHOR, Malaysia, Jun 06-09, 2012.
 - 7- **Malek Ali**, M. I. Fadhel, M. A. Alghoul and K. Sopian (2012) Synthesis and Characterization of Aluminum Matrix Composites Reinforced with Various Ratio of TiC for Light Devices. International Conference on Environment, Economics, Energy, Devices, Systems, Communications, Computers, Mathematics (IAASAT), Saint Malo & Mont Saint- Michel, France, April 2-4, 2012.
 - 8- **Malek Ali**, Projjal Basu and Z. Hussain (2009) Effects of process parameters on the mechanochemical synthesis of titanium carbide from alternative sources of raw materials. 4th International Conference on Recent Advances in Materials, Minerals & Environment and 2th Asian Symposium on Materials & Processing (RAMM&ASMP 09). 1st -3th June 2009. Penang, Malaysia.
 - 9- **Malek Ali**, and Projjal Basu (2008) Synthesis of nanostructured titanium carbide from titanium oxide and ferro-titanium through mechanical activation. VI International Conference on Mechanochemistry and Mechanical Alloying (INCOME2008), 1st-4th December 2008, Jamshedpur, India.
 - 10- **Malek Ali**, Projjal Basu and Z. Hussain (2008) Synthesis of titanium carbide from titanium oxide through high energy ball milling. 6th International Materials Technology Conference and Exhibition (IMTCE 2008). 24th-27th August 2008. Kuala Lumpur, Malaysia.
 - 11- **Malek Ali** (2008) Replacement of Pb in finishing applications by Cu-Sn-W Composite

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Prepared by Mechanical Alloying. International Conference and Exhibition on Composite Materials and Nano-structure (IC2MS'08), 5th–7th August, 2008, legacy Hotel, Melaka.

BOOKS

Author/s (In Order)	Title	Publisher	Edition	Date
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MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

- (ASME) American Society of Mechanical Engineers
- (JEA) Jordan Engineers Association

UNIVERSITY COMMITTEES

WORKSHOPS ATTENDED

- ABET Accreditation, which was held on 24-25 December,2016, organized by University of Tabuk College of Engineering.
- Engineering Professional Skills Assessment (EPSA) which was held on 30-31 March,2016, organized by University of Tabuk College of Engineering.
- Basic Milling and Lathe Operation which was held on 16-18 March,2011, organized by Multimedia University Faculty of Engineering and technology.
- Overview of synthesis, fabrication& characterization of materials with theory of inventive problem solving (TRIZ) which was held on 7-8thOctober2009 organized by school of materials engineering.
- (Interpersonal skills) which was held on 11August2009 organized by school of materials engineering.
- (Advanced materials characterization techniques) this was held on 6-7thAugust 2009 organizedby school of materials engineering.
- (Stress Management) held on 25 noveber2008 organized by school of Civil engineering.
- (Electron Backscatter Diffraction in scanning Electron Microscope) which was held on 18-19June 2008 organized by school of materials engineering.
- (Auto lab Electrochemical Impedance Spectroscopy) which was held on 28May2008 organizedby school of materials engineering.
- Short course on (Production of high-quality steels through secondary

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process/refining) which was held on 12-13 May, 2008 organized by school of materials engineering.

- (Fundamental on Thermal Analysis) which was held on 30 April 2008 organized by school of materials engineering.
- (Occupational safety and health) which was held on 16 February 2008.
- The international computer driving license (ICDL) from 20/7/2005 to 20/12/2005. serial number UN040133665.
- German language course from 27/11/2000 to 31/12/2000 organized by AL Mustansiriyah Institute.

WORKSHOPS OFFERED

RESEARCH INTERESTS

1. Synthesis Advanced Nanomaterials.
2. Metallurgy, Nano. Composites (Polymer, Ceramics, Metals), Corrosion and Energy.
3. Manufacturing/Fabrication of Metallic.

LANGUAGES

OTHER COMMUNITY ACTIVITIES

AWARDS RECEIVED

Sanggar Sanjung, **(Hall of Fame) Award** 2009, Universiti Sains Malaysia, Publication Category.

GRADUATE STUDENTS SUPERVISION

Student Name

Thesis Title

REFERENCES
