

Curriculum Vitae

Name : Enas Ahmad Ali Arrasheed

Birth day : 4-4-1987.

Address : Irbid, Jordan.

Phone : 00962- 790088618.

E-mail : eynas_1987@yahoo.com



EDUCATION

- ❖ BSc in Physics 2008, Mutah University, Average: 73.7, good.
- ❖ MSc in Physics, 2012, Yarmouk University, Average: 83.3, very good.
- ❖ Phd in solid state Physics, 2022, Tanta University.

TEACHING EXPERIENCE

- | | |
|---|--------------------|
| • Researcher in Yarmouk University. | period :2010-2012 |
| • Lecturer in um Qura university. | period: 2013- 2017 |
| • Instructor of the course of electrical engineering path for the summer program's talent by King Abdul Aziz and his Companions Foundation for Talent and Creativity. | 2014 |
| • Participation in Alaompied National Science Innovation arbitrator innovation path. | 2014 |
| • Instructor of the Path of Physics for the summer program's talent 2015 by King Abdul Aziz and His Companions Foundation for Talent and Creativity. | 2015 |
| • Instructor of the Path of Physics for the summer program's talent 2016 by King Abdul Aziz and His Companions Foundation for Talent and Creativity. | 2016 |
| • Scientific advisor to the program of talent by King Abdul Aziz and His Companions Foundation for Talent and Creativity. | 2017 |
| • Assistant Professor, Department of Communications and Computer Engineering, Jadara University, Jordan | 2022 until now |

RELATED EXPERIENCE

- ❖ PhD candidate in Tanta University, Egypt.
- ❖ Trainer in radiation protection and radiation safety.
- ❖ International Computer Driver License.
- ❖ Testifying the Education in the world from internet.
- ❖ Attendance of Workshop on Computational Physics using WEIN2K Package in Yarmouk University.

- ❖ Participating in potencies of Symposium: The Nuclear Energy Pacificatory Technology in Yarmouk University.
- ❖ Training for Device: Mössbauer Spectroscopy, X-Ray Diffraction, Planetary ball mill and Transition electron microscope.
- ❖ Using language programmatic: C++.
- Using programmatic: M3 for routine fitting Mössbauer spectroscopy for nano-material in solid state Physics .
- ❖ The International Conference on Materials in Amman, Jordan 2011.
- ❖ The International Conference on Materials in Amman, Jordan 2011.
- ❖ Mössbauer Spectroscopy, X-Ray Diffraction, Planetary ball mill and Transition electron microscope.
- ❖ Teacher training workshop in Jeddah 25-26/4/2015 by King Abdul Aziz and His Companions Foundation for Talent and Creativity.
- ❖ Software program: FullProf ,WinPLOTTR, ImageJ, ACD/Labs &Gauss View 6(Gaussian 09W), and EIS Spectrum Analyzer Version 1.0

Others

- smart board
- Quality of research and its role in the academic accreditation
- The keys to the success of the successful leader
- Computer Science in our life
- The six hats
- Smart tests on E- learning.

Committee memberships at Umm Al Qura University

- Academic Guidance.
- physics labs.
- E-Learning.

Published Papers

- A.M.A. Henaish, B.I. Salem, T.M. Meaz, Y.A. Alibwaini, A.-W. Ajlouni, O.M. Hemeda, E.A. Arrasheed, Synthesize, characterization, dielectric, linear and nonlinear optical properties of Ni–Al Ferrite/PANI nanocomposite film, Optical Materials. 119 (2021) 111397. <https://doi.org/10.1016/j.optmat.2021.111397>.
- Y.A. Alibwaini, O.M. Hemeda, R. El-Shater, T. Sharshar, A.H. Ashour, A.W. Ajlouni, E.A. Arrasheed, A.M.A. Henaish, Synthesis, characterizations, optical and photoluminescence properties of polymer blend PVA/PEG films doped eosin Y (EY) dye, Optical Materials. 111 (2021). <https://doi.org/10.1016/j.optmat.2020.110600>.
- E.A. Arrasheed, T.M. Meaz, R.M. Shalaby, B.I. Salem, O.M. Hemeda, A.M.A. Henaish, Rietveld refinement, cation distribution, morphological and magnetic study of NiAl_xFe_{2-x}O₄ nanoparticles,

Applied Physics A: Materials Science and Processing. 127 (2021) 1–10. <https://doi.org/10.1007/s00339-021-04360-9>.

- A.-F. Lehlooh, E.A. Al Rasheed, M.R. Said, A.Y. Hammoudeh, I. Bsoul, S.H. Mahmood, Mössbauer spectroscopy BaSrNixCo2–xFe12O22 hexaferrite prepared by sol-gel method, Hyperfine Interactions 2018 239:1. 239 (2018) 1–9. <https://doi.org/10.1007/S10751-017-1477-8>.
- Yamen A. Alibwaini, O.M. Hemeda, T. Sharshar, A.H. Ashour, Abdul-Wali Ajlouni, Enas A. Arrasheed, A.M.A. Henaish, R. El-Shatera, Study of the PEG content effect on some properties of the PVA/PEG-EY films using the Raman, positron annihilation and impedance spectroscopies, Optik, March 2022, 168591. <https://doi.org/10.1016/j.ijleo.2022.168591>.
- E.A. Arrasheed, Y.A. Alibwaini, T.M. Meaz, R.M. Shalaby, B.I. Salem, A.W. Ajlouni, H.H. El-Bahnasawy, O.M. Hemeda, A.M.A. Henaish, Structural, cation distribution, thermal properties, and electrical resistivity of nano NiAlxFe2-xO4 synthesized by flash auto combustion method, Journal of Molecular Structure. 1245 (2021) 131273. <https://doi.org/10.1016/j.molstruc.2021.131273>.
- Ahmed M. Henaish, Osama M. Hemeda, Enas A. Arrasheed, Rizk M. Shalaby, Ahmed R. Ghazy, Ilya A. Weinstein, Moustafa A. Darwish, Ekaterina L. Trukhanova, Alex V. Trukhanov, Sergei V. Trukhanov, Ahmed F. Al-Hossainy and Nermin A. Abdelhakim, Tailoring Variations in the Microstructures, Linear/Nonlinear Optical, and Mechanical Properties of Dysprosium-Oxide-Reinforced Borate Glasses. J. Compos. Sci. 2023, 7, 61. <https://doi.org/10.3390/jcs7020061>.
- Enas A Arrasheed, Yamen A Alibwaini, T M Meaz, Abdul-Wali Ajlouni, R M Shalaby, O M Hemeda and A M A Henaish, The influence of aluminum's crystalline structure on the elastic, dielectric, and electrical properties of Ni ferrite. Phys. Scr. 97 (2022) 115701 <https://doi.org/10.1088/1402-4896/ac95dd>.
- Aseel M. Altarawneh, Enas A. Arrasheed, Abdul Wali Ajlouni, R. Ghazy, O.M. Hemeda, A.M.A. Henaish, M. Mostafa. Correlation between structural, cation distribution with dielectric spectra and magnetic properties for Co–Zn ferrite doped with La³⁺ ions. Ceramics International, Volume 49, Issue 9, Part A, 1 May 2023, Pages 14215–14224.
- Arrasheed, E.A., Hemeda, O.M., Alibwaini, Y.A., Henaish, A.M.A., Salem, B.I., Dielectric, electrical, magnetic, and mechanical properties of Ni-Al ferrite/PANI composite films
Phase Transitions, 2022, 95(11), pp. 803–822. DOI: 10.1080/01411594.2022.2117043
- Rietveld analysis and dielectric spectroscopy of high conductivity and low dielectric loss Co Zn La ferrite, Phase Transitions, 2024, 97(4-5):1-16. DOI: 10.1080/01411594.2024.2313727
- OM Hemeda, M Mostafa, AM Altarawneh, E Arrasheed, R Ghazy, ...The Role of Frequency and Electromechanical Coupling on Electrical and Dielectric Properties for Lead Zirconate Titanate (PZT) Transducer. Journal of the Egyptian Society for Basic Sciences-Physics 1 (1), 73-98.

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