



Omar A. A. Al-Banawi C.V.



CURRICULUM VITAE

Omar Abdallah Ali Al-Banawi

June 2023



PERSONAL

Place of Birth Jordan

Date of Birth August 31, 1984

Marital Status Married

Nationality Jordanian

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Academic Rank (date) Instructor (2012)

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ACADEMIC QUALIFICATIONS

2017 - 2022 **Ph.D.**, Theoretical condensed matter physics, The University of Jordan, Amman, Jordan

2006 - 2009 **M.Sc.**, **Physics**, Mutah University, Karak, Jordan

2002 - 2005 **B.Sc.**, **Physics**, Mutah University, Karak, Jordan

SPECIALTY

General Specialization: Physics -Solid State Physics

Specialization: Theoretical condensed matter physics

CAREER HISTORY

October 2012 - now Instructor, / Department of physics/ Al-Hussein Bin Talal University/Ma'an, Jordan

September 2009 – October 2012 Full time lecturer / Department of physics/ Al-Hussein Bin Talal University/ Jordan, Ma'an, Jordan



PROFESSIONAL MEMBERSHIPS AND SERVICES

Membership(s)

- The Jordanian Physics Society since 2008.
- The Jordanian Astronomical Society since 2010.

RESEARCH INTEREST

- Light curves of eclipsing X-ray binary stars.
- Carbon Nanotubes.
- Nanotechnology and Nanomaterial.
- Dynamic lattice

PUBLICATIONS

- **O. Al-Banawi, The Eclipsing X-Ray Binary System Centaurus X-3**, Advances in Natural and Applied Sciences, 4(2): 205-209, 2010.
- M. A. Al-Wardat, H. Al-Naimiy, A. Taani, A. Khasawneh, **O. Al-Banawi**, H. S. Widyana, **Modified physical and geometric parameters of the eclipsing X-ray binary system Centaurus X-3**, Astrophysical Bulletin, , Volume 69: (3), 325-329, 2014.
- Mou'ad. A. Tarawneh, L. J. YURelated, Musab A. Tarawni, Sahrim Hj. Ahmad, **O. Al-Banawi**, Mohammad A. Batiha, **High performance thermoplastic elastomer (TPE) nanocomposite based on graphene nanoplates (GNPs)**, World Journal of Engineering, 12(5):437-442,2015.
- Mou'ad A. Tarawneh, Sahrim Haji Ahmad, Ibrahim N. Hassan, Ruey Shan Chen, **O. Al-Banawi**, **Characterizations and Morphology of MWCNTs-SiC Nanoparticles Reinforced PLA/NR/LENR Composites**, Advanced Materials Research, 1107: 108-112 ,2015
- **O. Al-Banawi**, M. Q. Owaidat, and N. Chair. **Lattice vibrations of the face-centered square and edge-centered square lattices**. International Journal of Modern Physics B 37.30 (2023): 2350267.



CONFERENCES AND PROCEEDINGS

- 9th International Petra School of Physics (PSP), 9-12 October 2018, University of Jordan (JU), Amman- Jordan.
- 12th SESAME Users Meeting, 26-27 November 2014, Days Inn Amman Hotel, Amman - Jordan.
- Third Middle East and Africa IAU Regional Meeting (MEARIM III), 1- 6 September 2014, Crown Plaza Hotel, Beirut, -Lebanon.
- Building International Networks for Enhancement of Research in Jordan; 3-5 April 2014, Princess Sumaya University for Technology (PSUT), Amman- Jordan.
- 6th Islamic Astronomy, 18 -21, March 2014, the World Islamic Science & Education University, Amman-Jordan.
- 2nd International Conference on Materials in Jordan; 9-11 April 2011, Princess Sumaya University for Technology (PSUT), Amman- Jordan.
- 5th Islamic Astronomy, 22 -24, March 2011, the World Islamic Science & Education University, Amman-Jordan.
- 4th Arab Confluence of Astronomy Amateurs and Space Science, 1- 4 August 2010, Kaferjanah - Halab / Syria.
- 2nd Lebanese Summer School on Astronomy, Spectroscopy in Astrophysics, 23-30 July 2010, Notre Dame University Louaize / Lebanon.
- Workshop on Materials in Jordan, 10-11 April 2010, Princess Sumaya University for Technology (PSUT), Amman, Jordan.
- The International Conference on Materials in Jordan; 4-6 March 2009, Princess Sumaya University for Technology (PSUT), Amman-Jordan.



TEACHING

Courses Taught-undergraduate

- Introduction to Astronomy (Phys.100)
- General Physics I (Phys. 101)
- General Physics II (Phys. 102)
- General Physics lab I (Phys. 103)
- General Physics lab II (Phys. 104)
- General Physics for Computer students (Phys 106)
- General Physics for Computer student's lab (Phys 107)
- Mathematical Physics I (Phys. 201)
- Mathematical Physics II (Phys. 301)
- Seminar and Search (Phys 481)

SKILLS

Languages

- Arabic (native)
- English (very good)

Computer Programs

- ICDL
- Mathematica
- Latex