

AHMAD ALI ABUSHATTAL

PhD. Astrophysics and Space Sciences



📅 April 08 1987

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✉ Physics Department, Al-Hussein Bin Talal University 📍 Ma'an, Jordan
🌐 [https://www.researchgate.net/profile/Ahmad Abushattal](https://www.researchgate.net/profile/Ahmad%20Abushattal)

EDUCATION

Ph.D. Astrophysics and Space Sciences- Astrodynamics

University of Santiago de Compostela (Spain)

📅 Sept 2013 – July 2017

Thesis title: The Modeling of the Physical and Dynamical Properties of Spectroscopic Binaries with an Orbit.

M.Sc. in Physics

Mu'tah University (Jordan)

📅 Sept 2009 – January 2013

Thesis title: Physical and Geometrical Elements of the Visually Close Binary System HIP64838

B.Sc. in Physics

Al-Hussein Bin Talal University (Jordan)

📅 Sept 2005 – June 2009

EXPERIENCE

Assistant Professor

Al-Hussein Bin Talal University

📅 Sep 2017 – present 📍 Ma'an, Jordan

- Teaches courses in the discipline area of physics.
- Collaborates and supports colleagues regarding research interests and co-curricular activities.
- Develops and designs curriculum plans to foster student learning, stimulate class discussions
- Provides tutoring and academic counseling to students, maintains classes related records, and assesses student coursework.
- Integrate the University value of inclusiveness into all appropriate aspects of the job; respecting the dignity and diversity of all members of the University community and of visitors to the University.

Physics Laboratory Supervisor

Al-Hussein Bin Talal University

📅 July 2012 – August 2013 📍 Ma'an, Jordan

- Plan, prioritize, assign, supervise, review and participate in the work of staff responsible for performing physics experiments
- Establish schedules and methods for providing laboratory analysis and quality.
- Recommend and assist in the implementation of goals and objectives; implement approved policies and procedures inside the laboratory.
- Prepare monthly, quarterly and annual compliance and other technical reports using a personal computer.

Physics laboratory Technologist

Al-Hussein Bin Talal University

📅 February 2010 – July 2012

- Prepares laboratory materials in the terms of university year.
- Setting up equipment for students and instructors.
- Assisting instructors regarding laboratory procedures, location and use of materials, and the operation of equipment.
- Participates in and contributes to a safe environment in the Physics Laboratories.

Physics Teacher

Ministry of Education

📅 September 2009 – February 2010

- Teach consistently high quality lessons.
- Be a role model for students, inspiring them to be actively interested in Sciences.
- To complete the relevant documentation to assist in the tracking of students.
- Teaching students physics courses according to their educational needs, including the appropriate setting and marking of work to be carried out by the students

STRENGTHS

Hard-working

Eye for detail

Motivator & Leader

C++

Matlab

Latex

Microsoft office

Origin

LANGUAGES

Arabic



English (IPT, C1)



Spanish (B2)



GRANTS

Erasmus Mundus (Peace I)

University of Santiago de Compostela (Spain)

📅 September 2013 – July 2016 📍 Ramon Maria Aller Observatory, Spain

- 52.000 Euro, Funded by the European Union to study doctoral degree for with Peace project.
- PEACE is a project approved in the framework of the Erasmus Mundus programme, aiming at fostering cooperation in the field of Higher Education between European and Middle East Institutions.

Al-Hussein bin Talal University Grant

Deanship of Scientific Research (DSR)

📅 September 2015– September 2017 📍 Ramon Maria Aller Observatory, Spain

- 40.000 Euro, Funded by the university to complete the Doctoral degree in Spain for (24 Months).

Institute of Mathematics

University of Santiago de Compostela

📅 November 2016– February 2017 📍 Ramon Maria Aller Observatory, Spain

- 2000 Euro, Funded by the university to support the research during the Doctoral degree in the observatory (4 Months).

PUBLICATIONS

📄 Journal Articles

- “Physical and Geometrical Parameters of CVBS. XII. Fin 350 (HIP 64838)” Authors: M.A. Al-Wardat, J.A. Docobo, A.A. Abushattal, and P.P. Campo. Journal: Astrophysical Bulletin, Vol 72. No 1, pp.24-34 (Quality control: JCR position 41 /62, Impact factor 1.02)” (2017). In:
- “Precise orbital elements, masses and parallax of the spectroscopic interferometric binary HD 26441” Authors: J.A.Docobo, R.G. Griffin, P.P. Campo, and A.A. Abushattal. Journal: Monthly Notices of the Royal Astronomical Society. (Quality control: JCR position 13/62), Impact factor 4.96.” (2017). In:

👥 International Conferences

- Ahmad, Abushattal (2018a). “The 12th Arab Conference for Astronomy and Space Science, entitled: Extrasolar planets in spectroscopic binary systems: Stability and Habitability, (The Royal Jordanian Geographic Center, Jordan. May, 2018)”. In: p. 34.
- – (2018b). “The 12th Arab Conference for Astronomy and Space Science, (The Royal Jordanian Geographic Center, Jordan. May, 2018), entitled: CORAVEL Radial Velocity Observations at Cambridge Observatory, UK.”. In: p. 26.
- Ahmad, Abushattal et al. (2014). “Second International Conference on Arabs’ and Muslims’ History of Science, (University of Sharjah, Sharjah, UAE. December, 2014), entitled: Physical Properties and Dynamical Elements of Spectroscopic Binary Stars”. In: p. 103.

MY LIFE PHILOSOPHY

OBSERVATORIES

- 36-Inch telescope observatory, Cambridge university, Cambridge, United kingdom.
- Ramon Maria Aller observatory, university of Santiago de Compostela, Spain.

FUTURE WORK AND RESEARCH INTERESTS

- The Modeling of the Physical and Dynamical Properties of Binary systems with an Orbits
- The Habitability and stability of the Extra-solar planets in Binary star systems.
- Modeling of multi-junction solar cell, Solar Power for Space Applications, and Solar panel degradation on extreme climates.

- *"The seeking of knowledge is obligatory"*
- *"The best richness is the richness of the soul"*

REFEREES

Prof. Jose Angel Docobo

@ University of Santiago de Compostela

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Ramon Maria Aller Observatory

Galicia, Spain

Prof. MashhoorAhmad Al-Wardat

@ Al-Bayt University

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Department of Physics,

Mafrag, Jordan

MOST PROUD OF



Football Teams

Rianxo (spain), Ma'an (Jordan), Al-Hussein bin Talal University.



Silver medal in athletics

4 X 100 meters, Ranked second in the Kingdom.



Golden Medal in athletics

First Rank in 6 km competition for 4 years in Al-Hussein bin Talal University.