



Name: Ali Abed El-kareem Taani

Associate Professor

Telephone No.: Mobile : +962-77-2452593

Office: +962-5-3491111-ext. 3700

Email: ali82taani@gmail.com, ali.taani@bau.edu.jo

Fax No.: +962-5-3530462

Current Address: Physics Department, Faculty of Science, Al -Balqa Applied University, Salt 19117, Jordan.

Date and Place of Birth: 15/07/1982 – Irbid, Jordan.

Marital Status: Married (two children).

Website

<http://www.bau.edu.jo/UserPortal/UserProfile/Wall.aspx?userid=96169>

Researchgate: http://www.researchgate.net/profile/Ali_Taani2/

GoogleScholar: <http://scholar.google.com/citations?user=eQB2E9IAAAAJ>

Scopus <https://www.scopus.com/authid/detail.uri?authorId=36640600900>

IAU <https://www.iau.org/administration/membership/individual/18724/>

Academia <https://al-balqa.academia.edu/AliTaani>

ORCID ID: <https://orcid.org/0000-0002-1558-1472>

Education

Jan. ۲۰10 – Feb. 2013	Doctor of Philosophy, Astrophysics , National Astronomical O (NAOC)-University of Chinese Academy of Sciences , Beijing, Ch Studying pulsar formation and evolution via the accretion indu white Dwarfs.
Oct. 2004 – Jan. 2008	<ul style="list-style-type: none">• <i>Research Advisors:</i> Prof. Chengmin Zhang and Prof. Yongh• Master of Astronomy, Institute of Astronomy and Spac -Bayt University, Jordan.• Photometric (Optical) Variability of Some Close Binaries• <i>Research Advisor:</i> Dr. Hanna Sabat.
Oct.2000– June2004	Bachelor of Science, B.Sc.in Physics , Al al-Bayt University, Jor

Research Experience

June 2018– Sep.2018	Visiting Scientist, CAS President's International Fellowship Initiative (PIFI): Institute of High Energy Physics. Beijing, China
July– Sept., 2017	Visiting Scientist , National Astronomical Observatories, China.



Sept., 2015 – Sep., 2016	Visiting Academic-Assistant Professor , Applied Physics and Astronomy department, University of Sharjah, United Arab Emirates .
Nov. 2012 – Feb. 2013	Researcher NAOC, China
Jan. 2010 – Nov. 2012	Research assistant: NAOC, China
Jan. 2010 – Nov. 2012	Research assistant: UCAS, Beijing, China
Sept. 2006 – Jun. 2007	Teaching Assistant, Institute of Astronomy and Space Science, Al al- Bayt University, Jordan.

GENERAL RESEARCH INTERSETS

- Astrophysics and space sciences
- Formation and evolution of binary stellar systems with compact objects.
- Single and binary star evolution.
- Normal and binary Millisecond Pulsars.
- X-ray binaries.
- The oldest stars in our Galaxy and the Universe by photometric and spectroscopic Analyses

LANGUAGES:

- **Arabic:** Mother Tongue.
- **English:** Excellent spoken and writing.
- **Chinese:** Basics.

Teaching Experience

-Sep., 2020 - Now	Associate Professor , Physics department, Faculty of Science, Al-Balqa Applied University, Salt, Jordan
-Sept., 2015 – Sep. 2016	Visiting Academic-Assistant Professor , Applied Physics and Astronomy department, University of Sharjah, United Arab Emirates .
-Sept. 2016 – Sept. 2017	Assistant Professor , Applied Science dept. Aqaba University College, Al-Balqa Applied University, Aqaba, Jordan.
- Sept. 15, 2014 – Sept.	Assistant Professor , Department of Physics, Al-Balqa Applied



1, 2015	University. Salt, Jordan.
- May 15, 2014 – Sept. 15, 2014	Assistant Professor , Applied Sciences dept. Aqaba University College, Al-Balqa Applied University, Aqaba, Jordan.
- Sep. 15, 2013 – May 15 2014	Full-time Lecturer , Applied Sciences dept. Aqaba University College, Al-Balqa Applied University, Aqaba, Jordan.
- May 2013–Aug. 2013	Part-time lecturer , Physics department, Yarmouk Uni., Jordan.

Courses Taught:

- Astrophysics and Cosmology.
- Astronomy and Space Sciences.
- Modern Physics
- Thermodynamics
- Waves
- Optics
- Medical Physics.
- General Physics I & II (Phys. 101+102).
- General Physics for Computer Science students.
- General Physics for Medical college students.
- Physics (1+2) for Sea transportation technology students.
- Remedial Physics.
- General Physics lab I & II (Phys. 103+104).

Courses Ready to Teach:

- Atmospheric Physics and Meteorology.
- General Theory of Relativity.
- High Energy Astrophysics.
- Special Topics in Astrophysics.

ADMINISTRATIVE EXPERIENCES and COMMITTEES MEMBERSHIPS:

1/10/2018-1/09/2019	Member in the University Council as representative of Faculty of Science, Al- Balqa Applied University, Jordan.
1/10/2017-1/10/2018	Member in the Faculty Council as representative of Basic Science, Faculty of Science, Al-Balqa Applied University, Jordan.



1/10/2017- 1/09/2019	Member in the Scientific Research Committee, Physics Dept. Al-Balqa Applied University
1/10/2017- 1/09/2019	Member in the Physics-Lab Committee, Physics Dept. Al-Balqa Applied University
1/11/2016 - 1/5/2017	Chairman of the Library Committee, Aqaba University College, Al-Balqa Applied University, Aqaba. Jordan.
Sept. 1, 2015 - Aug. 31, 2016	Member in the Scientific Research Committee, Applied Physics and Astronomy department, College of Science, University of Sharjah, United Arab Emirates.
Sept. 1, 2015 - Aug. 31, 2016	Member in the Physics-Lab Committee, Applied Physics and Astronomy department, College of Science, University of Sharjah, United Arab Emirates

Awards and Special Achievements:

07/2018	Award for the Visiting Scientist , Institute of High Energy Physics, Chinese Academy of Science, Beijing, China.
07/2017	Research Excellence Award , Al Balqa Applied University, Jordan.
09/2015	Honoring for the Visiting Academics , University of Sharjah, United Arab Emirates.
04/2014	Distinguished Speaker Award: Jordan Astronomical Society, Jordan

Academic Memberships:

01/2018	Member of International Astronomical Union (IAU) -France
01/2017	Member of Arab Union for Astronomy & Space Sciences (AUASS), Jordan
01/2015	Member of Jordan Astronomical Society (JAS), Jordan
01/2013	Member of Jordanian Physical Society (JPS), Jordan.
01/2013	Member of Jordanian Society for history of sciences , Jordan

Recent Publications

A. Refereed Journals:



- **2020**

1. M. Abu-Saleem and A. Taani, Retraction and folding on the hyperbolic black holes, AIP Advances, **ACCEPTED**.
2. Mohammad Mardini, Vinicius Placco, Yohai Meiron, Marina Ishchenko, Branislav Avramov, Matteo Mazzarini, Peter Berczik, Manuel Sedda, Timothy Beers, Anna Frebel, **Ali Taani**, Martina Donnari, Mashhoor Al-Wardat, and Gang Zhao. Cosmological Insights into the Early Accretion of r-Process-Enhanced stars. I. A Comprehensive Chemo-dynamical Analysis of LAMOST J1109+0754, Astrophysical Journal (ApJ), **In Press**.
3. Nour Aldein Almusleh, Sergen Ozdemir, Maria Rah, **Ali Taani**, Mashhoor Al-Wardat, Mohammad K. Mardini and Gang Zhao. Metal-poor Stars Observed with the Automated Planet Finder Telescope. III. CEMP-no Stars are the Descendant of Population III Stars, Research in Astronomy and Astrophysics, **ACCEPTED**.
4. Yamam Al-Tawalbeh, **Ali Taani**, Ahmad Abushattal, Mohammad Mardini, Nihad Yusuf, Mohammad Mardini, Hamid Al-Naimiy, Awni Khasawneh, Mashhoor Al-Wardat. Precise masses and orbital parameters of the binary systems HIP 11352, HIP 70973, and HIP 72479, Astrophysical Bulletin, **ACCEPTED**.
5. **Ali Taani**, Awni Khasawneh, Ahmad Abushattal, Mohammad Mardini, Mashhoor Al-Wardat. Probability Distribution of Magnetic field strength through the Cyclotron Lines in High-Mass X-ray Binaries, Jordan Journal of Physic (JJP), 2020, 13, 243-251.

2019

6. **Ali Taani**, Mohammad Mardini and Ahmad Abushattal, [The regular dynamics through the finite-time Lyapunov exponent distributions in 3-D Hamiltonian systems](#), **Astronomische Nachrichten (AN)**, 340, 847-851
 7. Mohammad Mardini, Vinicius Placco, **Ali Taani**, Haining Li and Gang Zhao. [Metal-poor Stars Observed with the Automated Planet Finder Telescope. II. Chemodynamical Analysis of Six Low-Metallicity Stars in the Halo System of the Milky Way](#), **Astrophysical Journal (ApJ)**, 882, 27
 8. Mohammad Mardini, Haining Li, Sofya Alexeeva, Vinicius Placco, Daniela Carollo, **Ali Taani**, Iminhaji Ablimit, Liang Wang, and Gang Zhao. [Metal-poor stars observed with the automated planet finder telescope I. Discovery of six bright Carbon-enhanced metal-poor stars from LAMOST](#), **Astrophysical Journal (ApJ)**, 875, 89
 9. Shigeyuki KARINO, Kenji NAKAMURA and **Ali TAANI**, [Stellar wind accretion and accretion disk formation: applications to neutron star high mass X-ray binaries](#), **Publications of the Astronomical Society of Japan**, Vol. 71, issue 3, P 1-12.
 10. **Ali Taani**, Shigeyuki Karino, Liming Song, Mashhoor Al-Wardat, Awni Khasawneh and Mohammad Mardini, [On the possibility of disk-fed formation in](#)
-



[supergiant high-mass X-ray binaries](#), Research in Astronomy and Astrophysics ,
Vol. 19, issue, 1, 12

- **2017**

11. Yi-Yan Yang, Li Chen, Rong-Feng Linghu, Li-Yun Zhang and **Ali Taani**, [Constraints on the estimation of the radius of double pulsar PSR J0737-3039A and its neutron star nuclear matter composition](#), Chinese Physics Letters (CPL), 34, 129701.
12. Zhibin Dai, Paula Szkody, **Ali Taani**, Peter Garnavich and Mark Kennedy, [Quiescent photometric modulations of two low-inclination cataclysmic variables KZGem and TWVir](#), Astronomy and Astrophysics (A&A). 606, 45
13. **Ali Taani** and Juan C. Vallejo, [Dynamical Monte-Carlo simulation of 3-D galactic systems in axisymmetric and triaxial potentials](#), 2017, Publications of the Astronomical Society of Australia (PASA)), Vol. 34, 24 (doi:10.1017/pasa.2017.17).

- **2016**

14. **Ali Taani**, [Systematic comparison of initial velocities for neutron stars in different models](#), 2016, Research in Astronomy and Astrophysics (RAA), 16,101.

- **2016**

15. **Ali Taani**, [On the distribution of massive white dwarfs and its implication to accretion induced collapse](#), Jordan Journal of Physic (JJP), 8, 3, pp. 149-155.
16. **Ali Taani**, [Monte-Carlo Simulation of Neutron Star Orbits in the Galaxy](#), Publications of The Korean Astronomical Society, vol. 30, pp. 583-584.

- **2015**

17. M. A. Al-Wardat, H Al-Naimiy, **A. Taani**, A Khasawneh, O. Al-Balawi, H. S. Widyan, [Modified physical and geometric parameters of the eclipsing X-ray binary system Centaurus X-3](#), Astrophysical Bulletin, Vol. 69, No. 3, pp. 345-349.
18. M. A. Al-Wardat, Yuri Yu. Balega, Nihad A. Yusufand, Ali Taani, Kawther S. Al-Waqfi, Suhail Masday, Vladimir V. Leushion, [Speckle Interferometric Binary System HD375; Is It a Sub-Giant Binary?](#) Astrophysical Bulletin, Vol. 69, No. 1, pp. 62-71.

- **2013**

19. **Ali Taani**, Mashhoor Al-Wardat and Awni Khasawneh. [Evolution of Accreting Binary Systems on the Spin-up Line](#), Australian Journal of Basic and Applied Sciences , 7(13): 287

- **2012**

20. **Ali Taani**, Luca Naso, Yingchun Wei, Chengmin Zhang and Yongheng Zhao, [Modeling the Spatial Distribution of Neutron Stars in the Galaxy](#), 2012, Astrophysics and Space Science (ApS&S) Volume 341, Page 601-609, DOI
-



10.1007/s10509-012-1121-7.

21. **Ali Taani**, Chengmin Zhang, Mashhoor Al-Wardat and Yongheng Zhao, Investigation of Some Physical Properties of Accretion Induce Collapse in Producing Millisecond Pulsars. 2012, *Astrophysics and Space Science ApS&S*, 340, 147, pp.147-153, DOI 10.1007/s10509-012-1023-8.
22. **Ali Taani**, Chengmin Zhang, and Mashhoor Al-Wardat Yongheng Zhao, Where do the Progenitors of Millisecond Pulsar come from? 2012, *Astronomische Nachrichten (AN)* 333, 1, pp.53-59. DOI 10.1002/asna.201111611
23. Yan Cai, **Ali Taani**, YongHeng.Zhao, and Chengmin Zhang, 2012, Statistics and Evolution of Pulsars' Parameters, *Chinese Astronomy and Astrophysics* 36, 137-147 DOI 10.1016/j.chinastron.2012.04.003.

- **2011**

24. Yan Cai, **Ali Taani**, Wei Wang, YongHeng.Zhao, and Chengmin Zhang, 2011, Statistics and Evolution of Pulsars' Parameters, *Acta Astronomica Sinica*, Vol. 52, No. 6, pp. 449-459, (in Chinese).
25. Yan Cai, **Ali Taani**, Wei Wang, YongHeng.Zhao, and Chengmin Zhang, 2011, Fermi Gamma-Ray Pulsars: Spectral and Generation Order Parameters, *Chinese Physics Letters (CPL)*. 28, 9702. DOI 10.1088/0256-307X/28/8/089702.
26. C.M. Zhang, Y.Y. Pan, Y.H. Zhao, Y. Cai, J. Wang, Y.C. Wei, **Ali Taani**, and H.X. Yin.2011. Constrain Neutron Star Mass by the kHz QPO Frequency. *International Journal of Modern Physics D (IJMPD)* 20, 10. DOI 10.1142/S0218271811020135

- **2010**

27. Y.C. Wei, A.Taani, Y.Y. Pan, et al. Neutron Star Motion in the Disk Galaxy. 2010. *Chinese Physics Letters (CPL)*. 27, 9801W. DOI 10.1088/0256-307X/27/11/119801
28. Y.-C. Wei, C.-M. Zhang, Y.-H. Zhao...., and A. Taani. The evolution of the z distribution of normal neutron stars in the Galaxy. 2010, *Astronomische Nachrichten*, 331, p.817-828. DOI 10.1002/asna.200911405.

B. Proceedings (Refereed conferences):

- **2020**

1. **Ali Taani**, The Early-phase Distribution of the Milky Way Using K-giant Stars From LAMOST DR5, Accepted for publication in in *Communications of the Byurakan Astrophysical Journal*.
2. Nour Aldein Almusleh, Yazan Khrais, **Ali Taani**, The Origin of LAMOST J1109+7459, Accepted for publication in in *Communications of the Byurakan Astrophysical Journal*.

- **2019**

3. **Ali Taani**, Shigeyuki Karino, Liming Song, Mohammad Mardini, Mashhoor Al-Wardat, Ahmad Abushattal, Awni Khasawneh and H. Al-Naimy, On the wind accretion model of GX 301-2, *Journal of Physics: Conference Series*



(JPCS), 1258, 012029

4. A. A. Abushattal, M. A. Al-Wardat, **A. A. Taani**, A. M. Khassawneh, H. M. Al-Naimiy, Extrasolar Planets in Binary Systems (Statistical Analysis) , Journal of Physics: Conference Series (JPCS), 1258, 012018
5. Mohammad K. Mardini, Nidal Ershaidat, Mashhoor Al-Wardat, **Ali Taani**, Awni Khasawneh and H. Al-Naimiy, Nucleosynthesis Between Theory and Observations: The Reaction Rates of Fluorine 19 (¹⁹F) in Sun, Journal of Physics: Conference Series (JPCS), 1258, 012024

- **2018**

6. Ali Taani, Study of high mass X-ray binary parameters: sample definition and physical properties, 2018, 42st COSPAR Scientific Assembly. Pasadena, California, USA, Abstract id. E1.10-66-18

- **2017**

7. **Ali Taani** and Awni Khasawneh, Probing the Accretion Induced Collapse of White Dwarfs in Millisecond Pulsars, 2017, Journal of Physics: Conference Series (JPCS), 869, issue 1, 012090.

- **2016**

8. **Ali Taani**, Modeling the Effect of Kick Velocity during the Accretion Induced Collapse of White Dwarfs on Binary Pulsars, 2016, 41st COSPAR Scientific Assembly. Turkey, Abstract id. E1.17-14-16.

- **2013**

9. **Ali Taani**, Mashhoor Al-Wardat and Yongheng Zhao, On the Possibility of Forming Accretion Induced Collapse in Massive Cataclysmic Variables, 2013, International Journal of Modern Physics Conference Series 23, 284-288.
10. **Taani**, C.M Zhang, Y.H. Zhao and A. Moraghan, Deriving fundamental parameters of millisecond pulsars via AIC in white dwarfs. IAU Symposium No. 290. (Feeding Compact Objects: Accretion on All Scales) 2013. C.M. Zhang et al. eds. Volume 290, pp. 177-178.
11. Z. Cheng, **A. Taani** and Y.H. Zhao. Impact of accretion on the statistics of neutron star masses. IAU Symposium No. 290. (Feeding Compact Objects: Accretion on All Scales) 2013. C. M. Zhang et al. eds. Volume 290, pp. 195-196.
12. M. A. Al-Wardat, **A. Taani** and M Asplund. A Method for estimating Parallaxes of VCBS: Modification to Hipparcos Parallaxes Measurements, 2013, International Journal of Modern Physics Conference Series 23, 64-73.
13. C. M. Zhang, Y Pan, **Ali Taani**, Pulsar distributions in the magnetic and spin period diagram. 2013. International Journal of Modern Physics: Conference Series 23, 165-169.
14. Z Cheng, C. M. Zhang, **Ali Taani**. Monte Carlo simulation of neutron stars masses. 2013. International Journal of Modern Physics: Conference Series 23,



157-160.

15. Long Jiang, Cheng-min Zhang, **Ali Taani**, Hai-Hui Zhao, Characteristic Age and True Age of Pulsars, 2013, International Journal of Modern Physics Conference Series 23, 95-98.
16. M. Zhang; Y. Y. Pan; J. Wang, J.; **A. Taani**; Y. H. Zhao. kHz QPO Observations and Pulsar Parameters. 2012, International Journal of Modern Physics (IJMPS): Conference Series. vol. 12, issue 01, p. 414-418. DOI 10.1142/S2010194512006630.

2012

17. M. Zhang, Jin Wang, H. X. Yin, Yongheng Zhao and **Ali Taani**, kHz QPOs and Their Relations to Spin Frequencies of Neutron Stars. Proceedings of the Twelfth Marcel Grossmann Meeting on General Relativity, 2012, 1, 964.

C. Submitted or in Preparation:

- 1) M. Abu-Saleem and **A. Taani**, On the minimum retraction of a topological black hole and its folding, Russian Journal of Mathematical Physics, **Submitted**.
- 2) **Ali Taani**, Iminhaji Ablimit, Chengmin Zhang, Alexander Tutukov, Yongheng Zhao and Mohammad Mardini, The Effect of Kick Velocity during the accretion Induced Collapse of White Dwarfs and Binary Pulsars, **To be submitted**.
- 3) Yi-Yan Yang, Li Chen, Rong-Feng Linghu, Na Wang, **Taani Ali** and Shuang-yang Wang. Discuss of double neutron star classification method by forming. (**To be submitted**).
- 4) **A. Taani**, S Karino, L Song, C. M. Zhang, S Chaty, A New Set of Parameters of High-Mass X-ray Binaries Found with their Cyclotron Lines. (**To be submitted**).
- 5) J. A. Docobo, H. A. Al-ameryeen, M. A. Al-Wardate, **A. A. Taani** and M. hasawneh. Astronomy and Space Science in the Arab World: Part I. (Activities and organizations) in The Modern Times. **To be submitted**.
- 6) J. A. Docobo, H. A. Al-ameryeen, M. A. Al-Wardat, **A. A. Taani** and M. hasawneh. Astronomy and Space Science in the Arab World: Part II. Education, Scientific Research and Future Outstanding Projects in The Modern Time. **To be submitted**
-

❖ Oral Presentations and Posters:

- 4-10, Oct. 2020, **World Space Week (WSW20)**, Regional Centre for Space Science and Technology for Western Asia. Amman-JORDAN.
 - 18-19, July 2020, **Binary and Multiple Stars: From Observations to Estimations**, Sharjah Academy for Astronomy, Space Science and Technology and Applied
-



Physics and Astronomy department, University of Sharjah, **United Arab Emirates.**

- 10-12 Sep. 2019, **The 1st Summer School 2019 in Astrophysics and Space Science**, Regional Centre for Space Science and Technology for Western Asia. Amman-**JORDAN.**
- 25-28 March 2019, **United Nations Jordan Workshop Global Partnership in Space Exploration and Innovation**, Regional Centre for Space Science and Technology for Western Asia. Amman-**JORDAN.**
- 26 Feb. 2019, **Physics Seminar** : Physics Department, Al-Balqa Applied.
- 22 Nov. 2018, **Jordan Astronomical Society. Jordan**
- 1-3 May 2018, **12th Arab Conference on Astronomy and Space Science; RJGC , Jordan**
- 27- 29 Apr.2017:**Humboldt Kolleg, Amman, Jordan.**
- 22- 25 Feb. 2017: **Frontiers in Theoretical and Applied Physics. United Arab Emirates.**
- 20 Aug.-10 Sep. 2016: **International Summer School for Young Astronomers , an.**
- 30July-7 August 2016:**41stCOSPAR Scientific Assembly, Istanbul Congress Center turkey.**
- 2-10 August 2014 , **40th COSPAR Scientific Assembly, Moscow, Russia.**
- 16-19 June 2014:**The X-ray Universe 2014, Trinity College Dublin, Ireland.**
- 3 - 5 April 2014: **Humboldt College, Jordan.**
- 24-28 March 2014: **Structure and Signals of Neutron Stars, from Birth to Death, Italy.**
- 18 - 20 March 2014: **6th Islamic astronomical conference: Amman-Jordan.**
- 26 - 28 Dec. 2012: **Shanghai Astronomical Observatory meeting, Shanghai, China.**
- 20-31Aug 2012: **28thGeneral Assembly of International Astronomical Union. hina.**
- 14 - 22 July 2012: **39th COSPAR Scientific Assembly, Mysore, India.**
- 11 - 15 Oct. 2011: **3rd Galileo-XuGuangqi meeting. NAOC, Beijing, China.**
- 3 - 11 July 2010: **Azarquiel Summer School in Astrophysics, Granada university, Spain**

❖ **Conferences/ Workshops/ Seminars:**

- 2 - 5 May 2019: **The 4th International Symposium on Dielectric material and Applications, Jordan.**
- 9-12 Oct. 2018: **9th International School of Physics (Nano Materials: Fundamentals and Applications), Jordan.**
- 7-11 Nov. 2017: **World Science Forum (Science for Peace), Dead-Sea, Jordan.**
- 26-28 Sep. 2017: **Yarmouk University Scientific Research Symposium, Jordan.**
- 12-14Sep.2017:**1st Inter. Conf. on Geospatial Information Management, Jordan**
- 6-8Dec.2016:**2^{ed} meeting for Arab Experts on Geographical Names, JGC, Jordan.**
- 16May2016: **10thAnnual Scientific Research Forum, University of**



arjah, Emirates.

- 30 - 31 Jan. 2012: **3rd Telescope Access Program Workshop**, NAOC, Beijing, China.
 - 5 - 9 Nov. 2012: **Tsinghua Transient Workshop 2012**. Tsinghua University, China.
 - 16-17 March 2012: **2nd Telescope Access Program Workshop**, NAOC, China.
 - 9-11 May, 2011: **Pulsar Physics and the Application of Pulsars Timing**, China.
 - 30 Aug. - 3 Sep. 2010: **MODEST-10 (Modeling Dense Stellar Clusters)** China.
 - 15 - 19 Aug. 2010: **General Relativity in Astrophysics**, Hebei Normal University, China.
 - 1 - 4 May 2010: **Astrophysics in Compact Systems**, Shan Dong University, China.
 - 20-30 Sep. 2008: **2^{ed} International Summer School for Young Astronomers**, Armenia.
 - 27 July -1 Aug. 2008: **Summer School in High Energy Astrophysics**, Urbino, Italy.
 - 05 - 15 Sep. 2006: **Summer School in Astronomy "Site Testing"**, Beirut, Lebanon.
 - 16 - 18 Aug. 2006: **4th Islamic Conference on Astronomy**, Amman, Jordan.
 - 15-17 Aug. 2005: **7th Arab Conference Astronomy and Space Science**, Jordan.
 - 8 June 2004: **Observing historic Transit of Venus**, Hamza Observatory Camp, Jordan
-

Supervised Doctoral & Master Theses:

- 1) **Studying the Cyclotron lines in the High Mass X-ray Binaries**, by Mohamed Motlaq, **BS.c graduation project**, Physics Department, Al Balqa Applied University, 2020.
 - 2) **Kind of Classification for Normal and Millisecond pulsars**, by Areeg Yousef and Namaa Wishah, **BS.c graduation project**, Physics Department, Al Balqa Applied University, 2020.
 - 3) **Double neutron star and their formation**, by Mohammad Al-Bqoor and Mohammad Al-sharay, **BS.c graduation project**, Physics Department, Al Balqa Applied University, 2020.
 - 4) **Studying the Pulsars and their Parameters**, by Lina al-Shihan and Hadeel al Hamad, **BS.c graduation project**, Physics Department, Al Balqa Applied University, 2020.
 - 5) **The normal pulsars and their formation**, by Zied Dadda, **BS.c graduation project**, Physics Department, Al Balqa Applied University, 2019.
 - 6) **Modified orbital elements of the two binary systems Hip 114375 and Hip 114576**, By Ali Al-Shmary. Department of Physics/Al al-Bayt University. 2019, External examiner.
 - 7) **Physical Parameters of the Visually Close Binary System HIP12552 with**
-



Orbital Elements. By Mohammad Hani El-mahameed. Department of Physics/Mu'tah University. 2014, **External examiner**

Research Grants

- 1- **CAS President's International Fellowship Initiative (PIFI) 2018:** Chinese Academy of Science, Institute of High Energy Physics Research scholarship recipient. Beijing, **China**.
 - 2- **Grant from Abdul Hameed Shoman Foundation-Fund for Scientific Research Support, 2019, Jordan.**
 - 3- **NAOC fellowship for visiting scientist.** Beijing, July- Sept. 2017. **China**
 - 4- Full grant from Al-Balqa Applied University for attending the Frontiers in Theoretical and Applied Physics. Sharjah. 22 - 25 Feb. 2017. **United Arab Emirates.**
 - 5- Full grant from International Astronomical Union for attending the 38th International School for Young Astronomers (ISYA), 21 Aug. - 8 Sep. 2016. **Iran.**
 - 6- Full grant from University Jena for visiting researcher: Astrophysical Institute and University Observatory, University Jena, Jena, Aug. - 6 Sep. 2013, **Germany.**
 - 7- Chinese Academy of Science, Research scholarship recipient (**CAS graduate fellowship; 3 years**). Beijing, Jan. 2010 - Jan. 2013. **China.**
 - 8- National Astronomical Observatories, Research scholarship recipient (**NAOC graduate fellowship; 3 years**). Beijing, Jan. 2010 - Jan. 2013. **China.**
 - 9- Grant from Yonsei university for attending the 5th Korea-Japan Young Astronomers Meeting, 22 - 25 Feb. 2012. **Korea.**
 - 10- Grant from NAOC for attending the 5th Islamic Conference on Astronomy, 22 - 24 March 2011: **Jordan.**
 - 11- Grant from Granada university and NAOC for attending the Azarquiel Summer School in Astrophysics, Granada university, Granada. 3 - 11 July 2010. **Spain.**
 - 12- Grant from Institute of Astronomy and Space Science (**graduate fellowship; 1 year**), June 2006 - May 2007. **Jordan.**
- Grant from International Astronomical Union for attending the International School for Young Astronomers, **2 - 23 July 2004. Morocco**
-

References:

- **Prof. Liming Song**
Institute of High Energy Physics, Chinese Academy of Sciences 19B
YuquanLu, Shijingshan District, Beijing 100049, China.
-



E-mail: songlm@ijep.ac.cn <http://www.ihep.ac.cn/lt/songlm>

- **Prof. Chengmin Zhang**
National Astronomical Observatories (NAOC), Chinese Academy of Sciences, Datun Road 20A, Chaoyang District Beijing 100012, China.
E-mail: zhangcm@bao.ac.cn <http://www.bao.ac.cn/lt/zhangcm>
- **Prof. Yongheng Zhao**
National Astronomical Observatories (NAOC), Chinese Academy of Sciences, Datun Road 20A, Chaoyang District Beijing 100012, China.
E-mail: yzhao@bao.ac.cn <http://www.lamost.org/~yzhao>
- **Prof. Mashhoor A. Al-Wardat**
Physics department, Faculty of Science, Al-al Bayt University- Jordan.
E-mail: mwardat@yahoo.com, mwardat@aabu.edu.jo
- **Prof. Marwan S. Mousa**
Dept. of Physics, Mu'tah University, Al-Karak, Jordan
E-mail: mmmousa@mutah.edu.jo, marwansmousa@yahoo.com

Dr. Ali Taani

Dec. 11, 2020

ALI TAANI