

KAMBIZ KHALEGHI

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OBJECTIVE

Astrophysics, Extrasolar planetary systems (exoplanets), Numerical Simulation Methods, Fundamental Astronomy, Spectroscopy and Spectrophotometry, Visual Observation, Exoplanet Atmospheres, Crescent Observation and Calendar Research, History of Astronomy.



EDUCATION

M.Sc., Physics- Astronomy | Department of Physics, Islamic Azad University

2012 – 2014

GPA: 19.62 Out of 20

B.Sc., Physics | Department of Physics, University of Tehran

2008 – 2012

GPA: 16.63 Out of 20

Pre-University of Physic & mathematics Discipline | Salam 3 High School

2007 – 2008

GPA: 18.75 Out of 20

Diploma of Physic & mathematics Discipline | Allameh Tabatabai Complex & Salam 3 High School

2006 – 2007

GPA: 16.89 Out of 20



JOURNAL PAPERS

- A.Hasazade, M Bay, K.Khaleghi, A. Poro, *New Light Curves and Ephemeris of V873 Persei*. 2014
- A.Hasazade, M Bay, K.Khaleghi, A. Poro, *Observations of variables*, 2013



BOOKS

Author, Editor and Translator of 64 books. Titles are according to the report of Iran Book House until 2020

Author | Spherical Astronomy and Trigonometry – Aug 2013

Translator | An introduction to modern Astrophysics (Vol. 3) – Bradley Carrol – Aug 2018

Constellation for every kid – Janice Van Clives – 2013

An introduction to modern cosmology – Andrew Liddle – Apr 2014

Astrophysics is easy – Mike Inglis – 2010

The practical astronomer deep-sky companion – Jess k. Gilmore - 2009

Co. Translator | An introduction to modern cosmology 3rd edition– Andrew Liddle – Apr 2021
An introduction to modern Astrophysics (Vol. 2) – Bradley Carrol – Aug 2018
Fundamental Astronomy (Vol. 2) – Kartunnen & Oja & ... - Jul 2016
An introduction to modern Astrophysics (Vol. 1) – Bradley Carrol – Aug 2015
Fundamental Astronomy (Vol. 1) – Kartunnen & Oja & ... - Jul 2014
Theoretical Mechanics – Murai Spigel – Jun 2013

Director of Planning and Translation | Number Theory – Titu Andreescu – Jul 2016
Active Learning of Astronomy – Michael Zeilik – 2016
Vector Methods – R. J. Cole - 2016

Scientific Editor | Research on Astronomy, Astrophysics & Cosmology Studies in Contemporary Iran – Dr. Jafar Aghayani Chavoshi & Prof. Mahdi Golsgani – Jun 2018

Director of Planning and Compilation | Physics, Chemistry, Biology Textbooks for Young Talents who study in middle Schools – 2015 to 2019

Mathematics Kangaroo Competitions for Young Students (Vol 1-4) – 2015 to 2019

Editor | Occultation – Jul 2013

Introductory Astronomy (Vol. 2 and 3) – Samad Gholami – 2009



CONFERENCES (PARTICIPATE & SPEAKING)

Participant | 7th Solar System Symposium – Moscow – Russia | Oct 2016

Presentation topic: analyzing the light curves of binary stars, especially the Sun in Venus transit

Invited Speaker & Judge | IOTA/ME Scientific Competition Transit of Mercury | Iran – Jun 2016

Presentation topic: analyzing the light curves and Paper Based Extracting Data for semiprofessional Astronomer on behalf of the Iranian Space Agency (ISA)

Invited Speaker | Workshop on Binary Stars and Exoplanets – Çanakkale University, Turkey | Feb 2016

Presentation topic: Astronomy in Iran

Invited Speaker | Second Educational Conferences of the Academic Workshop on 29th Tehran Book Exhibition | Feb 2016

Presentation topic: Practical methods of teaching astronomy in schools

Invited Speaker | Summer Astronomy School – Tabriz, Iran | Jun 2015

Presentation topic: analyzing the light curves of binary stars

Participant | IAU 28th General Assembly – Beijing, China | Aug 2012

Participate: IAUS 292; Molecular Gas, Dust, and star formation in galaxies

SpS 14; Communicating astronomy with the public for scientists

SpS 16; unexplained spectral phenomena in the interstellar medium

Invited Speaker | Venus Transit conference – National Astronomy Society of Iran & Iran Amateur Astronomy Society – Tehran, Iran | Jun 2012

A presentation about analyzing the light curves of binary stars, especially the Sun in Venus transit

Jury Member | 16th International Astronomy Olympiad – IAO – Kazakhstan | Sep 2011

Participate as an observer member on behalf of the Iran Amateur Astronomy Society-IAAS

Invited Speaker | 12th ceremony of foundation Iran Amateur Astronomy Society – Iran | Sep 2011

Invited | 30th International Meteor Observation conference – Romania | Sep 2011

Presenting | 4th international symposium of light pollution and Dark Skies – Park Astronomic Montsec – Spain | Jun 2011

Presentation topic: The best way for ranking dark sky parks

Invited | Gravity and Cosmology Conference – Center for Theoretical Physics at the British University – Egypt | Feb 2011

Participant | 29th International Meteor Observation conference – England | Nov 2010

Presenting | 3rd international symposium of light pollution and Dark Skies – Croatia | Sep 2010

Presentation topic: Differences in Light Pollution in Different Climate Areas

Translator of the Group | 2nd ICOP (Islamic Crescent Observation Project) conference – Abu Dhabi | 2010



WORK EXPERIENCE

Researcher | International Occultation Timing Association – Middle East section (IOTA/ME) | 2016- Current

Scientific Director | First Branch of Young Scholars Club in Semnan Province | 2014-2017

Young Scholars Club is one of the offices in the Ministry of Education in Iran whom responsible for training and selection of national and international Olympiad team in Iran

Manager of the Physics Department | National Elite Foundation - Scientific Friend project | 2014-2015

Chairman of the board | International Occultation Timing Association – Middle East section (IOTA/ME) | 2014- Current

Telescope Operator & Observer | Observatory of Iranian Space Agency | 2014

Chairman of the Board | Iranian Young Scholar Club Institute | 2012-2014

Chancellor Consultant | Allameh Helli Highs Schools (4, 7, 10, 11) – NODET | 2012-2015

Head of Astronomy Department | Allameh Helli Highs Schools (4, 7, 10, 11) – NODET | 2012-2014

Operator | 3rd Persian Young Physicists Tournament (PYPT) | 2012

Executive Secretary & Judgement | Student Festival for their Research achievements (NODET) | 2012-2014

Supervisor of Persian Section Official Website | Astronomy Sketching of the Day | 2012-2013

Moderators of the Persian part of www.ASOD.info (national language of Iran) on www.iranASOD.com

Supervisor of Persian Section Official Website | Astronomy Picture of the Day-NASA | 2010-2011

Under Editor Ship of Prof. Robert Nemiroff (MTU) & Jerry Bonnell (UMCP) Moderators of Persian part of www.APOD.com (national language of Iran) on www.iranAPOD.com

Scientific Editor | Asemane Shab Magazine (Asemane Shab means Night Sky) | 2010-2011

Science Expert on Astronomy | National Radio of IRAN | 2010-2014

Speaker and science expert international channel of national radio of Iran in Chogane Falak (astronomy programs) and some other programs

Supervisor | www.irysc.com (Iranian Young Scholars Club) | 2009-2011

Scientific & Executive Responsible for holding the pilot tests of the Iranian astronomy Olympiad
Moderator of Astronomy secession

Team Leader of Astronomy & Astrophysics Olympiad | Different Branch of NODET (National Organization for Except Talents) all over the country | 2009-2019

Teacher of Astronomy | Aras Elementary School | 2009-2019
Member of Editor Board | Daneshmand Magazine | 2008-2011
Author & Translator | Etemaad Newspaper | 2008-2001
Author & Translator | Shargh Newspaper | 2008-Current
Author & Translator | Ham-Mihan Newspaper | 2008
Teacher on Astronomy & Astrophysics Olympiad | Allameh Tabatabai, Salam, Bahrololum, NODET, Mofid and Many other high schools | 2008-2019
Teacher on Astronomy & Astrophysics Olympiad | Salam Educational Complex | 2007-2015
Science Expert on Astronomy | National Radio of IRAN | 2006
Author Web Bulletin | Nojum Magazine | 2004 & 2008
Author & Translator on interior Bulletin | IRAN Amateur Astronomy Society (IAAS) | 2003-2007
Author | IRAN Newspaper | 2003-2007
Author & Translator on Web Bulletin | IRAN Amateur Astronomy Society (IAAS) | 2003-2006



HONORS & TITLES

Member | International Occultation Timing Association, Middle East Section – IOTA/ME | 2010- Current
Secretary of formation faculties | Iran Amateur Astronomy Society (IAAS) | 2010
Appreciation | International Radio of Iran (IRIB) | 2006
Member | Iran Inventors Society | 2007 - Current
Co. Inventor | National office of patent and industrial property | 2007
 Inventing some special Carbon active filters that be used for increasing the cleanness at the aviculture
Appreciation | Iran Amateur Astronomy Society (IAAS) | 2006
Member | Unprofessional Group of Moon Sighting (UGCS) | 2005-Current
Semi-Finalist in National Physics Olympiad | Young Scholars Club | 2005
Semi-Finalist in National Mathematics Olympiad | Young Scholars Club | 2005
Member | Islamic Crescent Observation Project (ICOP) | 2004 - Current
Honorary member | Iran Amateur Astronomy Society (IAAS) | 2003 - Current
Semi-Finalist | 9th Khwarizmi festival | 2003
 For Research on the formation of global cluster
Member | Iran Amateur Astronomy Society (IAAS) | 2002- Current
Pass Astronomy courses with grade A | Zaferaniye Observatory | 1997-2000
Member | Zaferaniye Observatory | 1997 - Current



SKILLS & LANGUAGES

- Linux and Windows Systems
- Visual DIGITAL Fortran 90 programming
- Mathematica, Maple, Curve expert, Table curve, Gnu plot, Tec plot, ...
- The guidance of the Semi-large observatory telescopes
- Design of small observatories
- Photoshop, InDesign, CorelDraw, Illustrator
- Microsoft Office (word, excel, PowerPoint, ...)
- Semiprofessional photographer and cameraman
- Persian (Native)
- English (speaking & writing)
- Arabic (Familiar)