



HELLENIC REPUBLIC

National and Kapodistrian
University of Athens

EST. 1837

School of Science

Department of Physics

Section of Astrophysics, Astronomy and Mechanics



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Academic Qualifications:

- Degree in Physics, Aristotle University of Thessaloniki
- M.Sc. in Astrophysics, National and Kapodistrian University of Athens
- Ph.D. in Observational Astrophysics, National and Kapodistrian University of Athens

Appointments:

- 2006-2009: Research Fellow at Harvard-Smithsonian Center for Astrophysics (CfA), Cambridge, MA, USA
- 2009-2012: Research Fellow at the European Space Agency (ESA), Noordwijk, Netherlands
- 2012-present: Research Consultant at the European Space Agency (ESA), Noordwijk, Netherlands
- 2012-present: Lecturer, Faculty of Physics, University of Athens

Teaching: (last 10 years)

Undergraduate courses

- Observational Astrophysics
- Applied Optics
- Laboratories of Astrophysics, Physics and Applied Optics

Graduate courses

- Methods of Astronomical Observations and Data Reduction

Courses in other Departments

- Astronomy I (Department of Mathematics)
- Physics I (Department of Chemistry)

Research Interests/Activities: (last 10 years)

Observational Astronomy - Astrophysics

- Photometry and spectroscopy of variable stars
- Evolution of binary stars
- Galactic and extragalactic stellar populations
- Solar and Lunar Eclipses, transits, occultations
- Asteroseismology

Applied Optics

- Astronomical Instrumentation
- Techniques: Astrometry, Spectroscopy and Photometry

Space Technology

- LIDAR technology and applications on planetary landing and atmospheric studies
- Optical and thermal study of Nd:YAG crystal slab and applications on laser amplifiers for Earth Observation (ADM-AEOLUS and EarthCARE-ATLID missions).

Scientific Publications/Citations: (until Jan. 2021)

- 182 research publications in Astronomy (96 in refereed journals, 86 in conferences)
- 5 research publications in Optics and Instrumentation
- 1820 international citations
- h-index: 25

Selected Publications:

- Gazeas, K., Niarchos, P., "Masses and angular momenta of contact binary stars", 2006, MNRAS, 370, L29
- Gazeas, K., Stepień, K., "Angular momentum and mass evolution of contact binaries", 2008, MNRAS, 390, 1577
- Gazeas, K., "Physical parameters of contact binaries through 2-D and 3-D correlation diagrams", 2009, CoAst, 159, 129
- Stepień, K.; Gazeas, K., "Evolution of Low Mass Contact Binaries", 2012, A&A, 62, 153
- Gazeas, K.; Palafouta, S., "DV Psc: A Magnetically Active Hierarchical Triple System", 2019, A&A, 69, 261,
- Gazeas, K.; Zola, S.; Liakos, A., et al., "Physical Parameters of Close Binary Systems: VIII", 2021, MNRAS

Distinctions:

- 1997 **Astronomy Prize of Vasileios Barbanis** awarded for exceptional progress in Observational Astronomy of the Aristotle University of Thessaloniki.
- 2003, July. **Honorary award** at the NASA - International Space Camp in Huntsville, Alabama, USA («Right Staff Award»), for exceptional performance and skills on the communicational and educational program of the NASA - Space and Rocket Center.
- 2002-2003. **Scholarship** from the University of Athens, during the postgraduate studies (MSc title).
- 2003-2005. **Scholarship «Hrakteitos»**: Research grand for the PhD degree, EPEAEK II, European Union.
- 2009-2010. **Scholarship** for the European Space Technology & Research Center, ESA/ESTEC, Mechatronics and Optics Division, Noordwijk, Netherlands.

Other Activities:

- Optical Instrumentation (construction and testing of telescopes, microscopes, spectrographs)
- Photography (astrophotography, aerial, landscapes)
- Sports, Archery, Running, Hiking-Trekking, Volunteering