



HELLENIC REPUBLIC

**National and Kapodistrian University of Athens**

**Department of Physics**

Section of Astrophysics, Astronomy and Mechanism



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#### Academic Qualifications:

- Ph. D., 1985, Physics, University of Athens, Greece.
- B. Sc., 1977, Mathematics, University of Athens, Greece.

#### Appointments:

- University of Athens/Faculty of Physics. Since 27-5-1978, I am working in the Department of Astrophysics, Astronomy and Mechanics as Research Assistant, Lecturer and now as Assistant Professor.
- National Meteorological Survey. From 1-4-1977 to 27-5-1978, I worked as scientific collaborator. I was a holder of a scholarship by National Foundation of Researches.

#### Teaching Activities: (current)

Undergraduate courses

- Introduction to Astrophysics
- Solar Physics
- Space Physics
- Laboratory of Physics I
- Laboratory of Physics II
- Laboratory of Astrophysics
- Many final years dissertations

Postgraduate courses

- Solar Physics
- Space Physics
- Member or Principal supervisor of a number of commission of PhDs and MScs

#### Research Interests/Activities: (last 10 years)

- Solar Physics: a) Radio emission from solar active regions and radio bursts, combination with X-ray bursts and CMEs. b) Study of the solar activity, its spatial and temporal distributions during the solar cycles. c) Relation of solar-terrestrial phenomena.
- Geomagnetic activity.
- Influence of helio-geomagnetic activity to the human physiology.
- Planets: Magnetospheres, atmospheres, morphology etc.
- Archaeoastronomy

#### Scientific Publications/Citations:

- Publications in referred journals 51
- Publications in referred Proceedings 66
- Monographs 10
- Book: On the path of the Sun. An Introduction to the Solar Physics
- Space Physics: Notes for the lesson
- Laboratory Exercises in Astrophysics

## Citations from the ADS Database

Retrieved **200** abstracts, starting with number **1**. Total number selected: **313**. Total citations: **431**

### Top five publications

- A Wavelet based approach to Solar-Terrestrial Coupling. Chatsavrias Ch., Hillaris A., Preka-Papadema P., Advances in Space Research, Volume 57, Issue 10, p. 2234-2244. 2016.
- **Fine Structure of Metric Type-IV Radio Bursts Observed with the ARTEMIS-IV Radio-Spectrograph: Association with Flares and Coronal Mass Ejections.** C. Bouratzis, A. Hillaris, C. E. Alissandrakis, P. Preka-Papadema, X. Moussas, C. Caroubalos, P. Tsitsipis, A. Kontogeorgos, Solar Physics, 290, 219-286, 2015
- **High resolution observations with Artemis-IV and the NRH-I. Type IV associated narrow-band bursts.** Bouratzis C., Hillaris A., Alissandrakis C., Preka-Papadema P., Moyssas X., Caroubalos C., Tsitsipis P., Kontogeorgos A., Astron and Astrophys. 586, A29, 11 pp. (2016)
- Solar type II and type IV radio bursts observed during 1998-2000 by the ARTEMIS-IV Radiospectrograph. Caroubalos C., Hillaris A., Bouratzis C, Alissandrakis C. E., Preka-Papadema P., et al, 2004, Astron. and Astrophys., 413,1125.
- **The relativistic solar particle event of 2005 January 20: origin of delayed particle acceleration.** K.-L. Klein, S. Mason, C. Bouratzis, V. Grechnev, A. Hillaris, P. Preka-Papadema, Astron and Astrophys, 572, A4 p. 1-8, 2014.

### Other Activities:

- Articles in magazines and newspapers
- Many Lectures
- Participations in TV panels
- Interviews in TV Channels and radio stations or magazines
- Teaching in summer schools for students
- Member of LOC and/or SOC of Conferences
- Reviewer of Scientific journals