



CURRICULUM VITAE

Dr. Giorgos P. Veldes

Assistant Professor

School of Science-Department of Physics
University of Thessaly

Head of “**H**igh fr**E**quencies, **m**etamate**R**ials and **n**ONlinear waves **LAB**oratory, **HERON LAB**”, <https://heronlab.phys.uth.gr/>

1. Personal Data

Name	Giorgos
Surname	Veldes
Father's Name	Petros
Researcher unique identifier	http://orcid.org/0000-0002-4899-0563
Year and place of birth	01/01/1970, Pirgos Ilias School of Science – Department of Physics University of Thessaly
Contact Information	3rd km National Old Road Lamia- Athens, 35100, Lamia, Greece Tel: (+30) 22310-60304 e-mail: gveldes@uth.gr, http://giorgosveldes.users.uth.gr

2. Education

	Department of Physics, National and Kapodistrian University of Athens.
2015	PhD degree with Thesis: “Localized waves in nonlinear metamaterials” <i>Advisor:</i> Professor D.J. Frantzeskakis
1998	Department of Physics and Informatics, National and Kapodistrian University of Athens. Master (M.Sc.) in Electronic and Telecommunications Engineering
1995	Department of Physics, University of Athens. BSc. in Physics

3. Career - Employment

Academic Sector

September 2019-present	Assistant Professor, Department of Physics, University of Thessaly
February 2019- September 2019	Assistant Professor, General Department, University of Thessaly
October 2017-January 2019	Assistant Professor, Department of Electronics Engineering, Technological Educational Institute of Sterea Ellada Lecturer (permanent), Department of Electronics Engineering, Technological Educational Institute of Sterea Ellada
June 2010-October 2017	Lecturer (non-tenured), Department of Electronics Technological Educational Institute of Lamia

4. Research experience

Area of expertise: Microwave and High Frequency Communications with emphasis in nonlinear waves.
My interests include: metamaterials, nonlinear waves, plasma physics, radio astronomy technology, deep space communications.

a. Projects

- 08/2106-09/08/2019** Researcher in the project **NPRP9-326-1-067 «Split-ring resonator based nonlinear metamaterials: from few to many, theory and experiments»** which was evaluated as an excellent research project and funded (765.000 \$) by Qatar National Research Fund (QNRF)
- 12/2017-today** Co-PI of the project of the first **Hellenic radio telescope THERMOplae**. The first radio telescope in Greece and at the southernmost end of Europe is currently being created as part of a research collaboration involving University of Thessaly (PI Dr. Giorgos Veldes) and Hellenic Open University (PI Dr. Nectaria Gizani).
- 7/2022-11/2025** External collaborator in the project **CIRA-2021-064 με τίτλο «Rogue Waves and Extreme Events in Plasmas and in Space Science »** which is funded by KU Internal Funding (scheme = CIRA = competitive internal research award)
- 9/2022-today** Researcher in the **ARTEMIS-JLS** Solar Radio Spectrograph

b. Citations of published work

h-index= 6. Total of 201 (or 160) citations to-date (within parenthesis, excluding self-citations); data from *Scopus*, alternatively: h-index: 6; 233 citations, data from *Google Scholar*; Nine (9) papers in refereed journals and one (1) proceedings paper.

<https://scholar.google.gr/citations?user=43lvBeQAAAAJ&hl=el>

c. Highlights from my research & indicators of esteem

The article[**J-3**] (ref. Publication List below) *by G.P. Veldes et al* (Journal of Optics, 2013)

-has been selected by the journal Editors to be included in the “Highlights of 2013” collection (Editorial certificate awarded) (<http://iopscience.iop.org/2040-8986/page/Highlights-of-2013>);

-has been ranked among the top 10 most-cited original research papers for 2015 JOPT research excellence award (<http://iopscience.iop.org/article/10.1088/2040-8978/17/10/100201>).

5. Selected publications

- [**J-5**] Yannan Shen, P. G. Kevrekidis, G. P. Veldes, D. J. Frantzeskakis, D. DiMarzio, X. Lan, and V. Radisic, *From solitons to rogue waves in nonlinear left-handed metamaterials*, Phys. Rev. E **95**, 032223 (2017).
- [**J-4**] G.P. Veldes, J. Cuevas, P.G. Kevrekidis, & D.J. Frantzeskakis, *Coupled backward- and forward-propagating solitons in a composite right- and left-handed transmission line*, Phys. Rev. E **88**, 013203 (2013).
- [**J-3**] G. P. Veldes, J. Borhanian, M. McKerr, V. Saxena, D. J. Frantzeskakis, and I. Kourakis, *Electromagnetic rogue waves in beam-plasma interactions*, J. Opt. **15**, 064003 (2013).
- [**J-2**] G. P. Veldes, J. Cuevas, P. G. Kevrekidis, and D. J. Frantzeskakis, *Quasidiscrete microwave solitons in a split-ring-resonator-based left-handed coplanar waveguide*, Phys. Rev. E **83**, 046608 (2011).
- [**J-1**] L. Q. English, S. G. Wheeler, Y. Shen, G. P. Veldes, N. Whitaker, P. G. Kevrekidis, and D. J. Frantzeskakis, *Backward-wave propagation and discrete solitons in a left-handed electrical lattice*, Phys. Lett. A **375**, 1242 (2011).

6. Major Collaborations

- Prof. D.J. Frantzeskakis Department. of Physics, National and Kapodistrian University of Athens, Greece
- Prof. P.G. Kevrekidis, Department of Mathematics and Statistics, University of Massachusetts, Amherst, Massachusetts, USA
- Dr. I. Kourakis, Khalifa University of Science and Technology, Department of Mathematics, Abu Dhabi, UAE
- Dr N. Gizani, Assistant Professor, School of Science and Technology, Hellenic Open University