

Effrosyni Baxevanaki

Date of birth: 15/02/1993 | **Nationality:** Greek | **Gender:** Female | **Phone number:** (+30) 6975369339 (Mobile) | **Email address:** ef.baxevanaki@gmail.com | **LinkedIn:** <https://www.linkedin.com/in/ebaxevanaki>

ABOUT ME

Physics Scientist with a strong mathematical and computational background, specializing in environmental physics, renewable energy sources, and sustainability. Proficient in data gathering, processing, and analysis, with a particular focus on applying these skills to address environmental challenges and promote sustainable energy solutions. Equipped with excellent digital and programming skills, I am deeply motivated to advance research in renewable energy technologies and sustainability practices, while constantly developing my expertise and growing professionally.

EDUCATION AND TRAINING

14/10/2024 – CURRENT Kozani, Greece
PHD CANDIDATE University of Western Macedonia, Department of Chemical Engineering

Thesis "Solar potential assessment in supporting energy transition policies for climate change mitigation strategies"

2016 – 2018 Patra, Greece
MASTER'S DEGREE University of Patras, Theoretical, Computational Physics and Astrophysics

Final grade GPA: 9.08/10 | **Thesis** "Physical parameters of a new ecliptic system in contact, in the constellation of the Triangulum"

03/2019 – 06/2019 Padova, Italy
ERASMUS+ TRAINEESHIP Università Degli Studi Di Padova, Dipartimento Di Fisica E Astronomia "Galileo Galilei"

Final grade "Analysis of the transit timing of WASP-12b"

2011 – 2016 Patra, Greece
BACHELOR'S DEGREE University of Patras, Department of Physics

Final grade GPA: 6.60/10 | **Thesis** "CCD photometry and study of the period of the ecliptic system in contact EL Aqr"

WORK EXPERIENCE

2022 – CURRENT Athens, Greece
RESEARCH FELLOW AT IERSD/NOA NATIONAL OBSERVATORY OF ATHENS

- Member of the EIFFEL Project and the ClimSA Programme as a researcher in the field of renewable energy and sustainability, with a focus in solar energy production
- Conducting research on solar photovoltaic systems, focusing on improving efficiency and durability through new detection techniques
- Extended research in the field of Earth Observation (EO) techniques, Earth Based and Satellite, as a co-author in relevant scientific published work
- Contributed to two publications research papers in peer-reviewed journals, one book and educational material in collaboration with interdisciplinary teams
- Creator of digital content and educational material relevant to renewable energy and sustainability within the framework of the Intra-ACP Climate Services and related Applications Programme (ClimSA)

2020 – 2024 Corinth, Greece
SEO SPECIALIST JEWELER

- Responsible for engaging and informative content across multiple platforms, including articles, blog posts, videos, infographics, and social media posts
- Developing and executing digital marketing campaigns across multiple channels, including email, social media, and paid advertising, to increase brand awareness and drive lead generation
- Optimizing on-page elements such as meta tags, headings, and content to align with targeted keywords and improve search engine rankings
- Writing engaging website content, articles, blog posts, and social media posts to drive traffic and engage audiences

- Assisted in the operation and maintenance of telescopes, cameras, and other astronomical equipment for observational sessions and research projects
- Participated in data collection and analysis for ongoing research projects conducted at the observatory, contributing to the advancement of knowledge in astronomy and astrophysics
- Satellite and raw data gathering, analysis and process through specialized software

● **LANGUAGE SKILLS**

Mother tongue(s): **GREEK**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Operating Systems

Windows | Linux

Applications

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Canva | Photoshop | Kapwing | Social Media/Social Networks

Programming Languages

Python | JavaScript | PHP | HTML | CSS | SQL | Fortran

● **CONFERENCES AND SEMINARS**

2018 Heraklion, Greece
13th Hellenic Astronomical Conference

Poster in Conference "Eclipse time variations in close binary systems: Candidates for systems with exoplanets"

2020 Corinth, Greece
"Web & Mobile Apps Specialist"

Certification in "Web & Mobile Apps Specialist", of the Information & Communications Technologies Sector, UNICERT

● **PUBLICATIONS**

2023
[Surface Radiative Forcing as a Climate-Change Indicator in North India due to the Combined Effects of Dust and Biomass Burning](#)

Dumka UC, Kosmopoulos PG, **Baxevanaki E**, Kaskaoutis DG, Huda MN, Khan MF, Bilal M, Ambade B, Khanal S, Munshi P. Surface Radiative Forcing as a Climate-Change Indicator in North India due to the Combined Effects of Dust and Biomass Burning. *Fire*. 2023; 6(9):365.

2023
[Solar Photovoltaic Hotspot Inspection Using Unmanned Aerial Vehicle Thermal Images at a Solar Field in South India](#)

Pruthviraj U, Kashyap Y, **Baxevanaki E**, Kosmopoulos P. Solar Photovoltaic Hotspot Inspection Using Unmanned Aerial Vehicle Thermal Images at a Solar Field in South India. *Remote Sensing*. 2023; 15(7):1914.

2023
[SOLAR ENERGY PLANNING AND MANAGEMENT FROM SPACE](#)

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