

Anastasia Kokori

Curriculum Vitae

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Education

- **BSc in Planetary Science with Astronomy (first class)** October 2018 – September 2022
Department of Earth and Planetary Sciences, Birkbeck University of London, UK.
Thesis: Understanding exoplanets through the Solar System: The case study of Venus.
Supervisor: Prof Hilary Downes.
- **Space Studies Program (A⁻)** June 2018 – August 2018
International Space University.
Department: Engineering. Team project: *Space-aided Climate Change Adaptation*.
- **MSc in Science Communication (2:1)** September 2016 – September 2017
School of Communications, Dublin City University, Ireland.
Thesis: *Engaging society with science: The case of Danakil Depression*.
Supervisors: Dr. Pádraig Murphy and Dr. Pedro Russo.
- **BA (Ptyhion) in Primary Education (9.18/10.00)** September 2011 – July 2015
School of Primary Education, Aristotle University of Thessaloniki, Greece.
Thesis: *Exoplanetary systems*. Supervisor: Prof. Stavros Avgoloupis.
- **Journalism Diploma (9.00/10.00)** September 2013 – July 2016
IEK “XINI”, Thessaloniki, Greece.

Work experience

- **Public Engagement Officer** July 2019 – today
UCL-CSED, London, UK.
- **Astrographic Officer** December 2018 – June 2021
Royal Observatory Greenwich, London, UK.
- **Observatory Explainer**
 - Royal Observatory Greenwich, London, UK. November 2018 – June 2021
 - Blackrock Castle Observatory, Cork, Ireland. May 2017 – August 2017
 - Holomon Astronomical Station, Greece. June 2014 – August 2016
- **Science communicator**
 - Press assistant in the EGU General Assembly 2019, Vienna, Austria. April 2019
 - Intern at UCL (exoplanets group), London, UK. December 2017 – May 2018
 - Co-operation with the astrophysics group at UCL in the context of the [Europlanet Special Expert Exchange Program for Science Journalists/Science Communicators](#), London, UK. November 2017
 - Part of the evaluation team for the [Dublin Maker](#) event, Dublin, Ireland. July 2017
 - Part of the evaluation team for the European Researchers’ Night ([Probe](#)), Trinity College Dublin, Ireland. September 2017
- **Journalist** December 2015 – June 2016
TV channel “TV100”, Thessaloniki, Greece.
- **Teacher** January 2015 – May 2015
105^o Public primary school, Thessaloniki, Greece.

Current projects

- **Ariel Space Mission:** Co-Coordinator of Ephemerides working group and of the [ExoClock](#) project, involving 700 professional and amateur astronomers from 50 countries around the world, with the aim of monitoring transiting exoplanets.

- **Exoplanets outreach and education:** Project manager of [ExoWorlds Spies](#), a project aiming to open exoplanet research to amateur astronomers, schools and the general public.
- **Europlanet Early Career (EPEC) Network:** Outreach chair ([link](#)).
- **Holomon Astronomical Station:** Observer and outreach coordinator ([link](#)).

Publications

- A.Kokori et al, 2022, ExoClock Project III: 450 new exoplanet ephemerides from ground and space observations. [The Astrophysical Journal Supplement Series](#), in press.
- A.Kokori et al, 2022, ExoClock project II: A large-scale integrated study with 180 updated exoplanet ephemerides. [The Astrophysical Journal Supplement Series](#) 258 40.
- A. Kokori et. al, 2022, ExoClock Project: An open platform for monitoring the ephemerides of ARIEL targets with contributions from the public. [Experimental Astronomy](#).
- G. Tinetti et al. 2021, Ariel: Enabling planetary science across light-years, Ariel Definition Study Report, Reviewed by ESA Science Advisory Structure in November 2020 ([link](#)).
- K. Pearson et al. 2022, Utilizing a Global Network of Telescopes to Update the Ephemeris for the Highly Eccentric Planet HD 80606 b and to Ensure the Efficient Scheduling of JWST. [The Astronomical Journal](#), 146, 5.
- B. Edwards et al. 2021, Original Research By Young Twinkle Students (ORBYTS): Ephemeris Refinement of Transiting Exoplanets III. [Astronomy Theory, Observations and methods](#) 2(1).
- B. Edwards et al. 2021, Original Research By Young Twinkle Students (ORBYTS): Ephemeris Refinement of Transiting Exoplanets II. [RNAAS](#) 4(7) 109.
- B. Edwards et. al, 2020, Original Research By Young Twinkle Students (ORBYTS): Ephemeris Refinement of Transiting Exoplanets. [MNRAS](#) 500(4) 5671-5684.

Press Releases

- ExoClock Counts Down Ariel Exoplanet Targets. [Europlanet, September 2022](#).

Scholarships & Awards

- **Aleksander Silberfeld Prize** November 2022
BSc Planetary Science with Astronomy – award for the Highest Mark.
- **10th Postgraduate International School of Volcanology** October 2022
Scholarship to attend, Olot, Spain.
- **The "VolcanoCamp" by GeoTenerife** June 2022
Scholarship to attend, Canary Islands, Spain.
- **Emily Paige Short Funding** June 2022
Birkbeck University, London, UK.
- **Mineralogical Society of Great Britain and Ireland Student Award** May 2020
for the second-year student with the highest ranking marks in Mineralogy and Petrology.
- **ESA Scholarship** for attending the Space Studies Program. May 2018
- **IEK "XINI" Scholarship** for attending the Journalism Diploma. May 2012

Conferences

- EPSC2022, Granada, Spain. September 2022.
 - Open planetary science for effective knowledge co-creation and dissemination ([convener](#))
 - Exoclock and Amateur Astronomy contribution Exoplanet Science ([convener](#))

- Professional-Amateur collaborations in small bodies, terrestrial and giant planets, exoplanets, and ground-based support of space missions ([co-convener](#))
- ExoClock project: a pro-am collaboration to monitor the exoplanet ephemerides for the Ariel space mission ([talk](#))
- EPSC2021, online. September 2021.
 - Open science: The framework towards democratising science ([keynote talk](#))
 - Open planetary science for effective knowledge co-creation and dissemination ([convener](#))
 - The ExoClock Project: an open integrated and interactive platform to continuously monitor the targets of the Ariel space mission ([talk](#))
- EPSC2020, online. September 2020.
 - Open planetary science for effective knowledge co-creation and dissemination ([convener](#))
 - The Ariel mission for exoplanets and support from amateurs ([convener](#))
 - Professional-Amateur collaborations in small bodies, terrestrial and giant planets, exoplanets, and ground-based support of space missions ([co-convener](#))
 - The ExoClock Project: an open integrated platform for maintaining the Ariel target ephemerides with contributions from the public ([talk](#))
- EPSC2019, Geneva, Switzerland. September 2019.
 - The solar system and beyond: communicating planetary science in society ([co-convener](#))
 - Ground-based exoplanet observations in support of the ARIEL space mission ([talk](#))
 - ExoWorlds Spies: a research project as a vehicle for outreach and education ([talk](#))
 - Experiencing the mysterious nature of exoplanets through painting ([poster](#))
- 14th Hellenic Astronomical Conference, Volos, Greece. July 2019.
Ground-based exoplanet observations in support of the ARIEL space mission ([talk](#))
- EPSC 2018, Berlin, Germany. September 2018.
 - Danakil Depression: A natural laboratory as a vehicle for astrobiology outreach ([talk](#))
 - ExoWorlds Spies: a project for public involvement in exoplanet research ([poster](#))
 - Follow-up observations of transiting exoplanets: data collection and analysis ([poster](#))
- 2nd Symposium on Space and Educational Activities, Budapest, Hungary. April 2018.
Increasing public participation in exoplanetary research through Citizen Science and user-friendly tools ([p32](#), [poster](#))
- European Planetary Science Congress 2017, Riga, Latvia. September 2017.
Developing a user-friendly photometric software for exoplanets to increase participation in Citizen Science ([talk](#))
- 13th Hellenic Astronomical Conference, Herakleion, Greece. July 2017.
 - The Holomon Astronomical Station ([poster](#))
 - Follow-up observations of transiting exoplanets with small telescopes ([poster](#))
 - Observation of variable stars from Holomon Astronomical Station ([poster](#))
- 12th Hellenic Astronomical Conference, Thessaloniki, Greece. July 2015.
The effects of defocused photometry on exoplanet transit light-curves ([poster](#))

Skills

- **Observational Astronomy**
 - Astronomical data collection, reduction, photometry and analysis of light-curves using MaxImDL, AstroImageJ and Python-based software.
 - Hundreds of observing hours with small- and medium-scale telescopes (10 to 24").
- **Outreach / Tutoring**

- Developing social media material and strategies ([Exoworlds Spies on Facebook](#))
- Writing articles for international media on astronomy and space:
 - * [Space missions looking at worlds beyond the Earth](#)
 - * [We've said goodbye to Cassini. What comes next?](#)
- Giving live planetarium shows and leading workshops with participants of all ages, backgrounds and nationalities at Blackrock Castle Observatory in Cork, Ireland.
- Astronomy tutor to high-school students at the Observatory of the Aristotle University of Thessaloniki, Greece.
- Astronomy tutor and organiser of astronomical projects in primary schools and summer camps with children in Greece since 2013.
- Giving frequent public [talks](#) and writing [articles](#) on astronomical subjects.
- **Journalism**
 - Editing text and articles, photo-reportage, techniques of communication and interview
- **Computing**
 - Operating systems: familiar with Linux and Windows (ECDL certificate).
 - Programming: basic skills of programming in Python.
- **Languages**
 - Greek (native), English (proficient), Spanish (fluent), Turkish (fluent)
- **Evaluating science outreach events**
 - Data gathering across a range of public issues (e.g. attitudes towards European research).
 - Recording participant responses using bespoke digital tools.
 - Ensuring compliance with established survey protocols.
 - Liaising with a team of evaluators to ensure effective survey implementation.