

# Anastasia Saridou

## Production and Management Engineer

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## Work History

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### 2019/09- **Ph.D. Candidate**

Current *Democritus University of Thrace, Xanthi*

- Coding with python in geographic information systems software to develop plugins.
- Customer satisfaction analysis using multicriteria models.
- Gained academie experience through laboratory courses assignment.

### 2017/07- **Engineer Internship**

2017/09 *General Hospital of Kilkis, Kilkis*

- Usage of AutoCAD for designing hospital unit plans.
- Training in the building management system (BMS) for managing electromechanical facilities ward.

2016/07 **Kleemann Young Engineers project (summer internship 80 hours)**

## Research Projects Participation

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2023/05- *'Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics Plus -ENIRISST+ (MIS 5047041).'*

Current  Spatial data collection

2022/05- *'Autonomous Unmanned aircraft robotic system for hard-to-access indoor spaces navigation and people locating-MIDRES (MIS 5134521).'*

Current  Organizing and building data structures.

2022/01- *Systems of wearable personal protection, health and safety devices with operational application in guard positions-SafeIT (MIS 5075091).'*

2022/04  Building a Database using sensor measurements.

## Education

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2013/09- **Master of Engineering: Production and Management Engineering**

2018/09 Democritus University of Thrace (DUTH), Xanthi, Greece

- Thesis in multicriteria decision analysis using SMAA, AHP and PROMETHEE methods.
- Basic knowledge in SOLIDWORKS and AutoCAD.

## Publications

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2022 Vavatsikos, A.P., **Saridou, A.S.** Stochastic Evaluation of Wind Farms using PROMETHEE II Method and Geographical Information Systems. In Zopounidis, C., Doumpos, E., Grigoroudis, E. (Eds.). *Dominance Relationship Methodologies for Multi-Criteria Decision Making, Methods and Applications (pp. 233-262)*, Kleidarithmos, ISBN: 978-960-645-244-4, (greek).

## Conferences

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- 2023 **Saridou, A.S.**, Vavatsikos, A.P., Grigoroudis, E.. 'A Multicriteria DSS for Spatial Consumers Satisfaction Analysis', HELORS, 29/06-1/07, Athens, (*abstract*).
- 2023 **Saridou, A.S.**, Karagkouni, A., Vavatsikos, A.P., Dimitriou, D. 'Key performance indicators in the retail sector: A literature review', HELORS, 29/06-1/07, Athens, (*abstract*).
- 2023 Karagkouni, A., **Saridou, A.S.**, Vavatsikos, A.P., Dimitriou, D. 'Evaluation Framework for the Strategy of Regional Airports towards Circular Economy: The case of Alexandroupolis Airport', 4th Symposium on circular economy and sustainability, 19-21/07, Heraklion, (*abstract*).
- 2021 **Saridou, A.**, Vavatsikos, A.P., Grigoroudis, E.. 'A framework for enabling spatial customers satisfaction estimation', EURO, 11/07-14/07, Athens, (*abstract*).
- 2019 **Saridou, A.**, Vavatsikos, A.P.. 'Multicriteria evaluation of investments in the wind energy sector', 6<sup>th</sup> Students Conference, EEEE, 28/02-03-03, Xanthi, Greece, ISBN: 978-618-80361-9-2, pp. 2-4, (*abstract*).

## Software knowledge

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ArcGIS Pro (Knowledge: Very good), QGIS (Knowledge: Very good), Microsoft Office (Knowledge: Very good), Pix4D (Knowledge: Moderate)

## Other skills

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Coding in python, Websites development

## Certificates

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- 2023/ 03 Certified drone pilot (A1 & A3, A2).
- 2023/ 05 Transform AEC Projects with GIS and BIM, ESRI.
- 2023/ 03 Cartography, ESRI.
- 2023/ 01 Spatial Data Visualization and Machine Learning in Python, GEO University.
- 2022/ 11 Spatial Data Science, ESRI.
- 2021/ 09 Basic GIS Knowledge, GEO University.
- 2020/ 12 Fundamentals of Data Analytics, LEAPS by Analyttica.
- 2020/ 12 Machine Learning-Linear Regression, LEAPS by Analyttica.

## Foreign languages certifications

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Certificate of Proficiency in English, Michigan State University

## Research and Professional interests

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Statistical analysis, Spatial analysis and spatial models in decision making, Spatial and non-spatial models of customer satisfaction, Spatial data collection and storage, Development of geographical databases