

GÜNSELİ ERDEM

Hydrogeologist, MSc.
PhD Candidate

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Nationality: Turkish

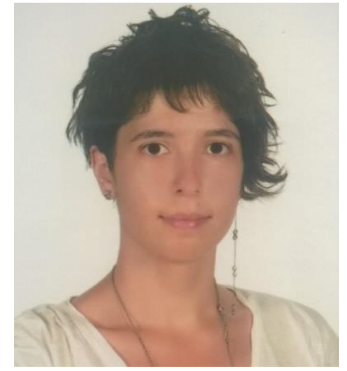
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EDUCATION

2016- PhD	University of Poitiers,France IC2MP – Hydrogeology
2016- PhD	Muğla Sıtkı Koçman University, Turkey Hydrogeology
2013-2014 MSc	University of Poitiers, France Hydrogeology and Associated Transfers
2012-2015 MSc	Muğla Sıtkı Koçman University, Turkey Hydrogeology
2008-2012 BSc	Hacettepe University, Turkey Hydrogeology



RESEARCH INTERESTS

Karst Hydrogeology, Isotope Hydrology, Hydrogeochemistry, Structural Geology, Statistical Hydrology, Hydrogeological Modelling, GIS and Remote Sensing, Groundwater Contamination, Water Resource Management, Geothermal Resources, Environmental Hydrogeology, Environmental Impact Assessments, UAV Applications in Geosciences.

FELLOW

2016-2017 PhD	French Government fellow.
2013-2014 MSc	French Government and Muğla Sıtkı Koçman Foundation fellow.

LANGUAGES

Turkish – Native, English–C2–CEF, French–B1–DUEF, German–B1–ZDP

COMPUTER COMPETENCE

ArcGIS, Phreeqc, IBM Spss, ModelMuse, ModFlow, ModelViewer, NetCAD, AquiferWin32, Corel Draw, CropWat, Global Mapper, GW Chart, AQTESOLV, Groundwater Vistas, Hydrus, Surfer, JChess, Feflow, GMS, Matlab, Grass GIS, QGIS.

CONFERENCE PAPERS

- Erdem, G., Sağır, Ç., Üçüncü Tunca, E., Kurtuluş, B., Avşar, Ö., Canoğlu, M., C., M., Razack, M. (2018). Statistical Analysis of Metal Content in Karst Springs of Azmak Stream (Muğla). 1st National Hydrogeology and Water Resources Symposium (HIDRO'18) 27-29 September, 2018/Ankara, Turkey.
- Kurtuluş, B., Sağır, Ç., Erdem, G., Kurtuluş, D. F., Avşar, Ö., Canoğlu, M.C., Razack, M. (2018) Spring Locating and Temperature Monitoring Using Uav: Azmak Springs, Mugla, Turkey. International Symposium on Sustainable Aviation 2018, 9-11 July 2018/Rome, Italy.
- Erdem, G., Sağır, Ç., Kurtuluş, B., Avşar, Ö., Tunca, E., Le Coz, M., Razack, M. (2017) Nitrate assessment of karst springs in Gökova, SW Turkey. 7th International Groundwater Conference (IGWC 2017) on Groundwater Vision 2030 11-13 December, 2017/New Delhi, India.
- Düzaş, E., Kurtuluş, B., Erdem, G., Sağır, Ç., Gürcan, T., Avşar, Ö., Regnier, J., Le Coz, M., Razack, M. (2017) Electrical resistivity tomography (ERT) and induced polarization (IP) applied to karst alluvium: Case study from Azmak spring, Mugla, Turkey. 7th International Groundwater Conference (IGWC 2017) on Groundwater Vision 2030 11-13 December, 2017/New Delhi, India.
- Sağır, Ç., Erdem, G., Kurtuluş, B., Avşar, Ö., Kurtuluş, D. F., Tunca, E., Le Coz, M., Razack, M. (2017) Potential of unmanned aerial vehicle (UAV) remote sensing in karst springs: Muğla, Turkey. 7th International Groundwater Conference (IGWC 2017) on Groundwater Vision 2030 11-13 December, 2017/New Delhi, India.
- Razack, M., Meddi, M., Kurtuluş, B., Le Coz, M., Sağır, Ç., Erdem, G., Saidani, B., Boufekane, A., Avşar, Ö. (2018) GRECPIMA: An EU Funded Project on Groundwater Resilience to Climate Change and High Pressure. 7th International Groundwater Conference, 11-13 December 2017/New Delhi/India.
- Sağır, Ç., Kurtuluş, B., Erdem, G., Avşar, Ö., Kurtuluş, D. F., Tunca, E., Le Coz, M., Razack, M. (2016) UAV applications in hydrology: A case study in Gökova Basin, Muğla, Turkey. American Geophysical Union (AGU) Fall Meeting, 12-16 December, 2016 /San Francisco, The United States of America.
- Erdem, G., Sağır, Ç., Canoğlu, M.C., Kurtuluş, B. (2016) Comparison of Empirical Bayesian Kriging and Geo-Anfis Methods for Interpolating Hydraulic Head in a Karst Alluvium. 8th International Congress on Environmental Modelling and Software (iEMSs) 10-14 July 2016, Toulouse/France, v3, 730.
- Erdem, G., Kurtuluş, B., Razack, M. (2015) Groundwater Quality Mapping Based on "GEO-ANFIS" Method in a Karstic Aquifer (Dogger Aquifer, Poitiers, France), Muğla. 68th Geological Congress of Turkey, 6-10 April, 2015/Ankara/Turkey.
- Tunca, E., Sağır, Ç., Erdem, G., Kurtuluş, B. (2014) Heavy Metal Correlations in Water Wells of Karabaglar Polje, FABA 2014: International Symposium on Fisheries and Aquatic Sciences, 25-27 September, 2014/Trabzon/Turkey.

ARTICLES

- Erdem, G., Kurtuluş, B. (2018) Assessing the spatial hydraulic head distribution using Empirical Bayesian Kriging and ANFIS in the karstic Dogger Aquifer, Poitiers, France. Submitted manuscript.
- Kurtuluş, B., Sağır, Ç., Erdem, G., Tunç, S. O., Canoğlu, M. C., Tunca, E. (2017) Assessing heavy metal contamination in Asartepe Dam Lake (Ankara, Turkey) using pollution indices and geostatistics. Under review manuscript.

RESEARCH PROJECTS

- GRECPIMA - Groundwater Resilience to Climate Change and High Pressure within an IWRM Approach (2016) ERANETMED, Partners; CNRS (France), University of Poitiers (France), National School of Hydraulics (Algeria) and Muğla Sıtkı Koçman University (Turkey).
- Assessment of Gökova Karstic Aquifer System in West Mediterranean Basin of Turkey by the Hydrogeochemical and Isotopic Analysis (2016) Scientific Research Projects Funding of Muğla Sıtkı Koçman University, Turkey.