

ÇAĞDAŞ SAĞIR

Hydrogeologist, MSc.
PhD Candidate

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Address: Geological Engineering, Muğla
Sitki Kocman University, Kotekli,
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Date of Birth/Place: 20.07.1989 / Turkey

Year	Degree	Institution
2015-	PhD	Muğla Sitki Koçman University, Turkey Hydrogeology
2016-2017	PhD	University of Poitiers, France IC2MP - Hydrogeology
2013-2014	MSc	University of Poitiers, France Hydrogeology and Associated Transfers
2012-2015	MSc	Muğla Sitki Koçman University, Turkey Hydrogeology
2008-2012	BSc	Hacettepe University, Turkey Hydrogeological Engineering



RESEARCH INTERESTS

Hydrogeological Modelling, Water Resources Management,
Groundwater Contamination, Neural Networks, GIS, Remote Sensing,
UAV Applications, Karst, Data Treatment and Analysis

COMPUTER COMPETENCE

Matlab, Scilab, R, Python, Excel VBA, ArcGIS, GMS, Grass GIS, QGIS,
GeoDin, RockWorks, ModelMuse, ModFlow, ModelViewer, AutoCAD,
NetCAD, AquiferWin 32, Corel Draw, CropWat, Global Mapper, GW
Chart, AQTESOLV, Groundwater Vistas, Hydrus, Surfer, JChess,
Feflow, COMSOL Multiphysics Fluid Flow and Heat Transfer, ANSYS
Fluid Flow Applications, FLIR Thermal Applications, HOBOWare, pixel
Wrench, Agisoft, Pix4D, IBM SPSS, Microsoft Office, LibreOffice

FELLOW

2017-2019 PhD ERANETMED & TÜBİTAK GRECPIMA 115Y843 Project
fellow.

2016-2017 PhD French Government fellow.

2013-2014 MSc French Government and Muğla Sitki Koçman
Foundation fellow.

RESEARCH PROJECTS

Water Resources Investigation around Muğla City Center and Geothermal Investigation in Bağyaka (2018) Co-Project of Metropolitan Municipality of Muğla and Muğla Sitki Kocman University.

GRECPIMA - Groundwater Resilience to Climate Change and High Pressure within an IWRM Approach (2016) ERANETMED Project, Partners; CNRS (France), University of Poitiers (France), National School of Hydraulics (Algeria), The Scientific and Technological Research Council of Turkey (TÜBİTAK, Turkey) and Muğla Sitki Koçman University (Turkey).

Characterizing Spatio-Temporal Variability of Temperature in Gökova Karstic Springs and Riparian Zone Using Thermal Infrared Imagery (2016) Scientific Research Projects Funding of Muğla Sitki Koçman University, Turkey.

CONFERENCE PAPERS

Erdem, G., Sağır, Ç., Üçüncü Tunca, E., Kurtuluş, B., Avşar, Ö., Canoğlu, M.C., 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.

Uslular, G., Sağır, Ç., Gençalioğlu-Kuşcu, G., Kurtuluş, B. (2018) A preliminary UAV application on Kula Monogenetic Field (western Anatolia, Turkey). 7th International Maar Conference, 21-25 May 2018/Olot/Catalonia/Spain.

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., Le Coz, M., Kurtuluş, B., Razack, M. (2017) Determining climate change effects on vegetation in various land covers using NDVI in the Poitou region, France. 7th International Groundwater Conference, 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. (2016) Potential of unmanned aerial vehicle (UAV) remote sensing in karst springs: Muğla, Turkey. 7th International Groundwater Conference, 11-13 December 2017/New Delhi/India.

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, 11-13 December 2017/New Delhi/India.

Düztas, E., Kurtuluş, B., Erdem, G., Sağır, Ç., Gürcan, T., Avşar, Ö., Regnier, J.L., 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, 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. 2016 AGU Fall Meeting, 12-16 December 2016/San Francisco/USA.

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.

Sağır, Ç., Kurtuluş, B., Razack, M. (2015) Assessment of Hydraulic Head and Heavy Metal Parameters Interpolations Using Soft Computing and Geostatistic in Karabağlar Polje, Muğla. 68th Geological Congress of Turkey, 6-10 April 2015/Ankara/Turkey.

Sağır, Ç., Erdem, G., Tunca, E., Kurtuluş, B. (2014) Heavy Metal Correlations in Water Wells of Karabağlar Polje, FABA 2014: International Symposium on Fisheries and Aquatic Sciences, 25-27 September 2014/Trabzon/Turkey.

ARTICLES

Sağır, Ç., Kurtuluş, B. (2017) Hydraulic Head and Groundwater ¹¹¹Cd Content Interpolations Using Empirical Bayesian Kriging (EBK) And Geo-Adaptive Neuro-Fuzzy Inference System (GEO-ANFIS). *Water SA*, 43(3):509-519. doi:10.4314/wsa.v43i3.16.

Kurtuluş, B., Sağır, Ç., Avşar, Ö. (2017) Assessment of Metal-Metalloid Content Using Geostatistical Methods in Groundwater of Karabağlar Polje (Muğla, Turkey). *Bulletin of Mineral Research and Exploration*, 154:197-210. doi:10.19111/bulletinofmre.304493.

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. *Carpathian Journal of Earth and Environmental Sciences*. Under review.

LANGUAGES

Turkish – Native, English-C2-CEF, French-B1-DUEF