Kadir Barış Bakioğlu

2000 Heatherwood Dr. Apt#303

Lawrence KS 66047

830-307-2932

kbbakioglu@ku.edu

Objective

Detail oriented Senior Geophysicist, specialized in Potential Field Data and Moving Platform GravMag Data Processing, looking for new challenges, contribution and commitment.

Education

September 2005 – June 2009: B.S. Geophysical Engineering, T.C Sakarya University. Study of the b Value Determination of Richter – Gutenberg Equation to Find Out the Statistical Probability of Major Southern Marmara Province Earthquakes within 1, 5 and 10 Years.

August 2012 – June 2014: MS Degree Geological Sciences, University of South Carolina. Garzon Massif Basement Tectonics: A Geophysical Study, Upper Magdalena Valley, Colombia.

August 2024 – Ongoing: PhD Degree Geology, University of Kansas.

Research & Job Experience

August 2024 – Ongoing: Graduate Teaching Assistant at Department of Geology, University of Kansas

Assisting faculty members with instructional duties, grading assignments and exams, holding office hours to provide additional support, delivering lectures and supervising lab sessions.

June 2022 – July 2024: Department Manager at Turkish Petroleum Corporation (TPAO), Department of Gravity, Magnetics and Remote Sensing

Coordinating Potential Field Data Acquisition, Monitoring and evaluating staff performance, project assessment, managing the departmental budget, setting departmental goals and training plans based on the competency assessment and giving essential and advanced potential field theory courses.

October 2017 – May 2022: Mid – Senior Geophysicist at Turkish Petroleum Corporation (TPAO), Department of Gravity, Magnetics and Remote Sensing

Project Management & Planning, Survey Design, Gravimeter & Magnetometer Calibration, Ground Gravity & Magnetics Data Acquisition, Marine Gravity & Magnetics Data Processing and On-Board QC, Generating Potential Field Interpretation Maps, Processing Script Design on Oasis Montaj Software, Multi-Disciplinary Study combining Potential Field Data, Remote Sensing Techniques and Seismic, Qualitative & Quantitative Interpretation, 2D Forward Modellings, 3D Structural Modelling on MOVE Software, Provided Training and Seminars to Interns and TPAO Employees, Marketing Research and Writing Technical Specification Reports as a Client to Receive Service from Possible Contractors.

October 2014 – October 2017: Geophysicist at Turkish Petroleum Corporation, Department of Gravity & Magnetics

Survey Design, Gravimeter & Magnetometer Calibration, Ground Gravity & Magnetics Data Acquisition, Generating Potential Field Interpretation Maps, Qualitative & Quantitative Interpretation, 2D Forward Modelling.

August 2012 – June 2014: B.Bakioglu and J.Kellogg, Geophysical Study of the Garzón Basement Thrust Fault, Upper Magdalena Valley, Colombia

Aerial gravity data calibrated with well and 2D seismic reflection data were used to model the geometry of the Garzón basement thrust fault and the top of crystalline basement in the Upper Magdalena Valley, Colombia. The findings of the study provided an accurate position and angle of the fault for further deviation drilling on exploration targets under the basement thrust fault.

July 2008: Intern, Turkish Petroleum Corporation, TPAO, Seismic Team – II fieldwork in Ardahan, Göle.

I participated in the company`s seminars, classes for interns and meetings of the Turkish Petroleum Seismic Exploration Department and the Department of Non – Seismic activities about seismic interpretation process and potential field method of gravity and magnetic interpretation of the present projects. Additionally, I participated in onshore 3D seismic data acquisition fieldwork in Ardahan, an eastern border town in Turkey.

July 2007: Intern, Istanbul Bogazici University Kandilli Observatory, Institute of Earthquake Researching.

I worked as an intern at the Turkish National Earthquake Monitoring Observatory. I monitored seismicity in Turkey, locating epicenters and calculating focal mechanisms of earthquakes in Turkey and neighboring countries.

Publications

1.   Bakioglu, K.B., J. Kellogg, 2013, Geophysical study of the Garzón basement thrust fault, Upper Magdalena Valley, Colombia, SEG Student Expo, Houston, September 16-17, 2013.

2.   Kellogg, J.N., K.B. Bakioglu, 2013. Gravity modeling of line GAIT 99-21 in Block 32, Upper Magdalena Valley, Colombia, Emerald Energy, Colombia, 32 p.

3.   Bakioglu, K. B.(2014). Garzón Massif Basement Tectonics: A Geopyhysical Study, Upper Magdalena Valley, Colombia. (Master's thesis).

4.   Bakioglu, K.B, 2016. The Investigation and Research Results of Turkish Petroleum Corporation's Marine Gravity Data (in Turkish). National Geodesy Commission of Turkey 2016 Annual Event, Yıldız Technical University, Istanbul.

5.   Saeid E. et al. Garzon Massif Basement Tectonics: Structural Control on Evolution of Petroleum Systems in Upper Magdalena and Putumayo Basins, Colombia. Journal of Marine and Petroleum Geology. Sep 2017. 88C(88C):381-401

6.   Bakioglu, K.B, & Kulunk H. S, 2021. Acquisition, Data Processing and Quality Control of Raw Marine Gravity Data in Turkish Petroleum (Online Presentation in Turkish). National Geodesy Commission of Turkey 2021 Annual Event, Hacettepe University, Ankara.

Projects

January 2015 – July 2015: Regional Faulting System of the Eastern Province of Turkey based on Isostatic Gravity and Horizontal Gradient Maps.

April 2016 – May 2016: Marine Gravity & Magnetic Data Acquisition Survey of Turkish Petroleum Corporation.

May 2016 – December 2019: Improving the Geoid Model over Turkey and Turkish Fundamental Gravity Network (Acquisition Phase).

October 2017 – January 2018: The Feasibility Research of UAV Technologies at Geophysical Applications.

January 2018 – February 2019: Airborne Gravity & Magnetics Data Acquisition on Southeast of Turkey.

March 2019 – October 2019: Integrated Gravity, Magnetics and Remote Sensing Study of Coalbed Methane Gas Potential of Northwest of Turkey.

September 2020 – May 2022: Raw Marine Gravity & Magnetic Data Processing over Mediterranean, Blacksea and Marmara Offshore Dataset of Turkish Petroleum Corporation.

Languages

English: Advanced; **Turkish:** Fluent; **Greek:** Basic

Software

ESRI ArcGIS, Seequent Oasis Montaj, IHS Kingdom Suite, Petroleum Experts MOVE, Global Mapper

Certificates and Awards

Basic Greek, Çağrı Language Course, December 2018

National Geodesy Commission of Turkey, Presenter Award, November 2016

AAPG Imperial Barrel Award Participation Medal, March 2013

English proficiency, University of Texas at San Antonio, ESL Course, May 2012.

MS Fellowship, Turkish Ministry of Education/Turkish Petroleum Corp, 2010 - 2012.

Basic Russian, T.C Sakarya University, Center of Continuous Education, March 2007.