

Marie Skłodowska Curie Action – Postdoctoral Fellowship 2023
Expression of interest – Hosting offer
(MSCA-PF-2024)

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| Contact Person/Scientist in charge <i>(data of the principal investigator of the research group/lab or scientific supervisor)</i> | Name | Sevil Deniz |
| | Surname | YAKAN DÜNDAR |
| | Email | yakans@itu.edu.tr |
| Laboratory /Department /Institute /Centre / <i>(data of the centre/department where the fellow would be located)</i> | Name | Ecotoxicology Research and Education Laboratory / Shipbuilding and Ocean Engineering Department / Naval Architecture and Ocean Engineering Faculty |
| | Address | İTÜ Ayazağa Campus, Faculty of Naval Architecture and Ocean Engineering, 34469, Maslak, İstanbul / Türkiye |
| Research Area <i>(Please select the research area: corresponding to the eight MSCA evaluation panels. You can select between one and up to three scientific areas per EO)</i> | | Environment and Geoscience (ENV) Life Sciences (LIF) |
| Brief description of the Centre/Research Group <i>(max. 1,600 characters including spaces: information about the research centre or research group, scientific staff. Please include URL if possible)</i> | | <p>The main focus is marine pollution and Earth Observation (EO) in terms of marine science. Marine pollution studies cover the quantification of polyaromatic hydrocarbons (PAHs) in sediment, ecotoxicological bioassays and biomonitoring with marine species (such as algae and mussel) and passive sampler. Earth observation studies focus on ocean color through the geophysical parameters (such as chlorophyll, colored dissolved organic matter-CDOM, total suspended matter-TSM) obtained by satellites. Regarding the remote sensing capabilities of satellites in EO, an important parameter of EO which is altimetry data is also gathered for the assessment of the sea level variation at the coastal zones, ports and in the vicinity of the offshore structures.</p> <p>https://www.researchgate.net/profile/Sevil-Yakan https://www.scopus.com/authid/detail.uri?authorId=55021775800</p> |

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| <p>Project description</p> <p><i>(max. 1,800 characters including spaces: short description of the research project / research line where the fellow would be hosted and develop his /her project)</i></p> | <p><u>Recent researches that I have been involved in as a researcher or coordinator:</u></p> <ol style="list-style-type: none"> 1 - Spatial and Temporal Evaluation of Marmara Sea Primary Production Changes Using Satellite Data and Sediment Bio-Geochemistry (Researcher) 2 - Mapping of Aquatic Ecological Pollutants and Risk Assessment at the Central Rift Valley of Ethiopia (Coordinator) 3 - Optical characterization of the Marmara Sea, determination of its bio-optical properties and identification of ecological zones through bio-optical parameters (Coordinator) 4 - Turkish Antarctic Expedition-3 (TAE-3) National Project - Determination of Persistent Organic Pollutant Levels in the Antarctic Ecosystem: Passive Sampler Applications (Researcher) 5 - Determination of Bioaccumulation Factor, Uptake and Depuration Kinetic Rates of Marine Species Using Concentration Ratio Model (Coordinator) <p><u>Main instruments exist in the Ecotoxicology Research and Education Laboratory:</u></p> <ol style="list-style-type: none"> 1 - Fume hood 2 - Autoclave (HIRAYAMA HV-85) 3 - Water distiller 4 - Soxhlet extractor 5 - Ultrasonic shaker (temperature adjustable) 6 - Sieve shaker 7 - Vortex mixer 8 - Light microscope 9 - Luminometer 10 - Laboratory water bath 11 - Rotary evaporator 12 - UV-Vis spectrometer 13 - Fluorescence spectrophotometer (Perkin Elmer LS-55) 14 - High Performance Liquid Chromatography (HPLC - Agilent 1260 Infinity) 15 - Centrifuge (temperature adjustable, Sigma 3-16 PK) |
| <p>Applications: documents to be submitted and deadlines</p> <p><i>(Please indicate the documents that the candidate fellow should submit to establish contact: CV, letter of motivation, letter of references, etc., please indicate deadline. Recommended deadline: April 2023)</i></p> | <p>CV</p> <p>Letter of motivation</p> <p>At least 2 letters of references</p> <p>Deadline: 1st of July, 2024</p> |