

**Name:** János Tamás KÖRÖSPARTI

**Position:** research fellow

**Year of obtaining scientific degree:**

**Phone number:** +3630/955-5761

**E-mail address:** korosparti.janos@uni-mate.hu

**Organizational unit name:**

MATE Institute of Environmental Sciences (IES), Research Center for Irrigation and Water Management (ÖVKI), Department of Agricultural Water Management, Szarvas

**Professional experience:**

Körös-Maros National Park Directorate (KMNPI)

Research Institute for Fisheries and Irrigation (HAKI)

National Agricultural Research and Innovation Center (NAIK) Research Institute of Irrigation and Water Management (ÖVKI)

**Education, qualification:**

1994-1996. Geologist – environment protectionist technician, Post-secondary training, Juhász Gyula Teacher Training College, Szeged

1995-2001. Geographer (Msc), Area and settlement developer, environmental research majors. University of Szeged

2003-2005. Applied Geoinformatics Engineer, Budapest University of Technology and Economics, Faculty of Civil Engineering

2007- PhD studies, University of Szeged, Geoscience Doctoral School

2022 Remote pilot certification of competency according to UAS.OPEN.030 (A1-A3, A2)

**Research activity, field:**

Analyzation, data collection and result integration of extreme Water balance (excess water and draught) forming under actual weather conditions

Data collecting and sophisticating methods of data gaining techniques, especially estimating methods in case of missing data

Sophisticating the national excess hazard map, settling the water flows and flood-basins

Examination of application opportunities of data collecting technologies of remote sensing (drones) in the field of water management areas (excess water, impregnate soil, salinization, erosion areas, priming areas, plant degradation caused by water)

Inspection of domestic and meliorated areas, research of their development opportunities

Sample collection of excess water and quality checking on specialized fields, according to frequent hydrological events

Researching the opportunities of rationalization of land use on extreme water balance agricultural areas, working out using alternatives, researches aiming the moderation of the negative effects of climate change

Using modern geoinformatics methods on precision irrigation methods and irrigation objects. Choosing the proper irrigation techniques on special territories, and what are the opportunities and how to store water in the soil

**Awards and recognitions:** Pro Aqua awards (Hungarian Hydrological Society) 2018

**Information on doctoral training:**

**Data of publications:** <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10045393>

**Taught subjects:** Melioration and recultivation

**Optional thesis topics:**

Impact of agrotechnical interventions (tillage, irrigation) on inland excess water vulnerability.

Use of drones in agricultural water management.