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Discipline	Earth and related environmental sciences
Description of interests and participation in scientific research	<ul style="list-style-type: none">• transport (qualitative and quantitative) of pollutants associated with suspension in the catchment• impact of climate change and land use on suspended sediment transport• characteristics of suspended sediment using geochemical markers (sediment fingerprints)• assessment of the quality of suspended solids and bottom sediments in the catchment area• assessment of nutrient loads discharged from agricultural catchments• bioavailability of heavy metals accumulated in bottom sediments• accumulation of pollutants in bottom sediments and suspended matter
Participation in grants and scientific projects	<ul style="list-style-type: none">• IDUB AGH UST, 501.696.7996/L-34, "Development of the Macromodel DNS / SWAT digital platform for modeling the processes of quantitative and qualitative transport of pollutants in a catchment area" (leader of the project)

- **NCN**, PRELUDIUM 12, 2016/23/N/ST10/01292 “Characteristics of suspended solids in the catchment area of the Carpathian reservoir with the use of geochemical markers (*sediment fingerprints*)” (supervisor)
- **SCOPES**/Institutional Partnership: IZ7420-128141, “Network for Environmental Assessment and Remediation in the aquatic systems: towards excellence in teaching and research (NEAR4)”, 2010-2012, and # IZ7420-110916, “Network for Environmental Assessment and Remediation in the aquatic systems: environmental curriculum and training at the postgraduate level (NEAR3)”, 2006-2007 University of Geneva, Switzerland (participant)
- **KBN PB** 0539/PO4/2005/28, „Accumulation and transport of chromium in a catchment with a dam reservoir”, Cracow University of Technology (leader of the project)
- **Great Lake Sustainability Fund**: 07-048, KW412-07-1 “Cause Effect Linkages of Sediment Contamination and Delisting Criteria in the Detroit River AOC”, 2007/2008; # 05-035, KW578-05-1 “Contaminated Sediments in the Walpole Delta: Relationship to Fish Consumption Advisories”, 2005/2006, Great Lakes Institute for Environmental Research; 04-046, KW418-04-0 “Benthos and Sediment Chemistry Studies on the Detroit and St. Clair Rivers”, 2004/2005, Great Lakes Institute for Environmental Research, University of Windsor, Canada (contractor)

Links:

- <https://www.scopus.com/authid/detail.uri?authorId=6507163785>
- <https://www.researchgate.net/profile/Ewa-Szalinska>
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