



**4th INTERNATIONAL SYMPOSIUM ON
MATERIALS, ELECTROCHEMISTRY & ENVIRONMENT**
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Assoc. prof. Tadeusz Szumiata, PhD.
Department of Physics,
Faculty of Mechanical Engineering
University of Technology
and Humanities in Radom,
Poland
Email: t.szumiata@uthrad.pl

ORCID (0000-0003-0430-4805)

SCOPUS ID : 6602256101

BRIEF BIOGRAPHY

Research interests: interested in many aspects of physics and chemistry applications: spectroscopy for environmental surveillance, magnetic nanomaterials, magnetoelastic effects, magnetic defectoscopy and modern mass metrology.

Academic and Research Experience:

Tadeusz Szumiata has his expertise in the applications of Mössbauer spectrometry and advanced magnetic methods in environmental sciences. His focus is based on the iron speciation in technogenic magnetic particles, which are natural carriers for heavy metals in soils, airborne particulate matter, fly ashes, street dusts and geothermal water sediments. He was awarded his PhD in 2002 from the Institute of Physics of Polish Academy of Sciences in Warsaw, Poland. He is an associate professor at University of Technology and Humanities in Radom, Poland. He participated in scientific internships in Finland, France, and Great Britain. Besides environmental studies, he is an expert in magnetoelastic effects, magnetic nanomaterials, magnetic defectoscopy and modern mass metrology. Recently he got experience in XAS experiment in SOLARIS National Synchrotron Radiation Centre in Cracow, Poland.

He is an active member of Groupe Francophone de Spectrométrie Mössbauer (GFSM) and vice-president of Polish Society of Mössbauer spectrometry. He has close scientific connections with Université Mohammed Premier d'Oujda (UMP, Morocco). He published more than 70 papers cited by almost 400 documents. His H index is 10 by Google Scholar.