

SIMI SCIENTIFIC COMMITTEE

Section: Pollution Assessment and Management Systems

Senior Researcher STANESCU BOGDAN - ADRIAN
R&D National Institute for Industrial Ecology (ECOIND)
DEPARTMENT FOR ASSESSMENT and
MONITORING of the ENVIRONMENTAL POLLUTION



SHORT PROFESSIONAL INFO

PhD. Bogdan-Adrian STANESCU is currently Senior Researcher within ECOIND, with high expertise and experience in assessment studies regarding environmental effects produced by the industrial and non-industrial activities, such as:

- evaluation on anthropic pressures on the edaphic layer in urban environments;
- evaluation of hydrochemical and ecological urban models for lake areas in urban environment;
- the dynamics of the environmental aspects in areas with where activities with a major impact on the environment have been carried out;
- evaluation of the groundwater pollution at regional scale (geochemical studies);
- environmental risk assessment induced by gaseous emissions from soil and underground from specific anthropic polluted areas.

He has also more than 20 years' experience in fundamental and applicative research studies on: soil/waste water/underground waters/ monitoring and control of the emissary quality; physical-chemical characterization and industrial pollution impact on soil and water components from Romanian ecosystems; integrated ecological risk assessment and predicting pollution in space and time related to sensitive receptors. It is important to mention the experience and expertise in field activities, the establishment of soil and water sampling sites and sites, in the design and mapping of experimental fields for various research studies, in the sampling and determination of certain specific parameters in the field.

Acquired experience (including managerial experience) in other national / international programs / projects: *national research projects* developed within different programmes of Romanian Research Plan in the field of environment control and protection (ORIZONT 2000, PNCD(I) – INFRAS, CALIST, MENER, CEEX-INFRAS (2005-2007); PNCDI (II)– INOVATION, CAPACITIES, PARTNERSHIP IN PRIORITY FIELDS (2007-2009); PNCDI (III)–CERC-CO-PED-2016 (2017-2018); “NUCLEU” Program (2009-2019).

The main projects carried out as project manager:

<i>Name of the Program</i>	<i>Name of the project</i>	<i>Period</i>
<i>„NUCLEU CLEANMEDIND” National Program</i>	<i>Study on the assessment of risks caused by ground / underground emissions in anthropically polluted areas</i>	<i>2009-2013</i>
<i>„NUCLEU CLEANMEDIND” National Program</i>	<i>Geochemical study of groundwater at regional level. Case Study.</i>	<i>2013-2014</i>
<i>„NUCLEU CLEANMEDIND” National Program</i>	<i>Hydrochemical model of urban ecology. Study on the quality of lake waters in the area of Bucharest</i>	<i>2014-2015</i>
<i>„NUCLEU CLEANMEDIND” National Program</i>	<i>Highlighting of the anthropogenic pressures on the edaphic layer in the urban environment</i>	<i>2015</i>
<i>„NUCLEU ECO MEDIND” National Program</i>	<i>Study on the level of pollution of urban soils in the main cities in Romania</i>	<i>2016-2017</i>
<i>„NUCLEU ECO MEDIND” National Program</i>	<i>Study on the dynamics of environmental aspects in areas where activities with significant impact on the environment have been carried out. Case Study</i>	<i>2016-2017</i>
<i>„NUCLEU PROMEDIND” National Program</i>	<i>Research on soil quality in different intensively agriculture areas of Romania</i>	<i>2018</i>

ACTUAL POSITION

Phd, Senior Researcher – *Department for Assessment, Monitoring Environmental Pollution*

Project manager and responsibilities in developing assessment studies conducted in accordance with specific environmental legislation.

ACADEMIC QUALIFICATION

1997 – BSc in Geography, Faculty of Geography, *University of Bucharest*, Romania.

2009 – Master's degree in Environmental Geological Engineering, Faculty of Geology and Geophysics, *University of Bucharest*, Romania.

2019 – PhD in Geology, Doctoral School of the Faculty of Geology and Geophysics, *University of Bucharest*, Romania.

RESEARCH INTEREST

Development of the new and modern methods in environmental assessment, evaluation and geostatistical interpretations on big data or georeferenced databases.

Use of modern and non-classical investigation and mapping techniques. An example of this, would be the use of the drones equipped with spectral sensors in assessing anthropic or natural extended areas.

Carrying out plans for detailed investigation of the quality of environmental factors in specific research studies.

SCIENTIFIC PUBLICATIONS / AWARDS -selection

1. Bogdan Stanescu, Lidia Kim, Gina Alina Catrina (Traistaru), Adriana Cuciureanu, Agnes Serbanescu, *Practical aspects regarding the potential to affect the quality of environmental components in intensively agriculture areas of romania, in the context of climate changes*” vol 19 Conference Proceedings Ecology , Economics, Education and Legislation, ISSUE: 5.1 pp.825-832 **(2019)**
2. Gina Alina Catrina (Traistaru), Bogdan Stanescu, Lidia Kim, Agnes Serbanescu, Georgiana Cernica, *Optimised method for determination of minor elements from romanian biomass ash*, vol 19 Conference Proceedings Energy and Clean Technologies, ISSUE:4.1 pp.741-748 **(2019)**
3. Stanescu Bogdan, Kim Lidia, Traistaru Gina, Cuciureanu Adriana, Tanase Gheorghita, *Evaluation of the relevant environmental aspects of some locations intended for new investments*, REV.CHIM.69, No. 11, pp. 3261-3265 **(2018)**
4. Stanescu Elena, Stanescu Bogdan, Scradeanu Mihaela, Petre Jana, Vasile Gabriela Geanina, *Present status regarding sediment quality in a zone from Danube catchment according to water framework directive*, Proceedings book of the 17th International multidisciplinary Scientific Geoconference SGEM 2017, vol.17 Hidrology and water resources,pp. 509-516 **(2017)**
5. Stanescu Bogdan, Stanescu Elena, Kim Lidia, Carol Lehr, Scradeanu Mihaela, *The study of urban soil quality in major cities in romania. case studies*, Proceedings book of the 17th International multidisciplinary Scientific Geoconference SGEM 2017, Soils, pp.663-670 **(2017)**