



**Prof. Dr. Michele Guida**

**Department of Computer Engineering, Electrical Engineering and Applied Mathematics (DIEM),  
University of Salerno, Italy**

Date of birth: 01, February 1957

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#### **Academic titles:**

- 1987 PhD in Physics (Italian Ministry for Education, University and Research (MIUR);
- 1982 Degree in Physics (M.Sc.), magna cum laude, (University of Salerno).

#### **Actual ACADEMIC positions:**

11/02/2020 - today. Associate Professor in Applied Physics (SSD FIS07) at the Department of Information and Electrical Engineering and Applied Mathematics (DIEM). University of Salerno, (UNISA).

#### **Past ACADEMIC positions**

01/01/2004 – 11/02/2020. Associate Professor in Experimental Physics (SSD FIS01) at the Department of Information and Electrical Engineering and Applied Mathematics (DIEM). University of Salerno, (UNISA).

12/11/1990 – 31/12/2003. Assistant professor in Experimental Physics at the Faculty of Engineering, University of Salerno.

#### **SCIENTIFIC Responsibilities:**

- from 2022: Responsible of the Sector "Radon and Environmental Radioactivity Risks" at the Interuniversity Consortium for the prediction and prevention of Major Hazards (CUGRI)", Italy.
- from 2019: Responsible of the FARB Scientific Project and the related University Grants: " APPLIED PHYSICS: Radiations and hazards due to exposure".
- from 2013: Responsible of the Laboratory for Environmental Radioactivity (Ambients and Radiations (AmbRA)) (ITALCERT UNI EN ISO 9001-2008/2015) at the University of Salerno, Italy.
- from 2007: Responsible of the Interdepartment Research Program "RAD\_CAMPANIA", aimed at the assessment of the impact and the associated health risk of the exposure to Radon and its alpha emitting short-lived progenies for workers and general public in natural and anthropic environments.
- from 02/05/2017 to 02/08/2020: Scientific Responsible for the "Project to reduce the social cost caused by bacterial infections post surgery" (acronym BIPS) (call HORIZON 2020 PON 2014-2020 by the Italian Ministry for Economic Development (MISE)).

- 2018: Responsible of the FARB Scientific Project and the related University Grants: "PHYSICAL APPLICATIONS TO COMPLEX SYSTEMS".

- 2015 -2017: Scientific Responsible and Coordinator of the working group from UNISA in the framework of the COST Action "NORM4Building" TU1301.

- 2010 - 2015: Responsible of the FARB Scientific Project and the related University Grants: "ASSESSMENT OF THE IMPACT OF NATURALLY OCCURRING RADIOACTIVE MATERIALS (NORM) AND TECHNOLOGICALLY ENHANCED NATURALLY OCCURRING RADIOACTIVE MATERIALS (TENORM) ON ANTHROPIC AND NATURAL ENVIRONMENTS.

- 2010-2013: Representative for UNISA in the Bilateral Committee for the Cooperation and Collaboration Agreement between UNISA and the ENI CORPORATE UNIVERSITY.

#### **RESPONSIBILITIES IN INTERNATIONAL SCIENTIFIC AND EDUCATIONAL EVENTS:**

-2022 Co-Director of the International summer school "Sustainable Construction – Next generation: greener, smarter, stronger" at the University of Salerno, Italy.

-SEPT 2021 CHAIR IN THE 2<sup>ND</sup> INTERNATIONAL ONLINE SYMPOSIUM ON "SUSTAINABLE CONSTRUCTION"

-03 SEPT 2020 CHAIR IN THE 1<sup>ST</sup> INTERNATIONAL ONLINE SYMPOSIUM ON "SUSTAINABLE CONSTRUCTION"

-2019 Co-Director of the International summer school "Sustainable Construction – from theory to practice" at the Riga Technical University, Riga, Latvia.

-2018 Co-Director of the International summer school "Sustainable Construction - from traditions to innovations" at the Riga Technical University, Riga, Latvia.

-2015 Scientific Director of the International RAdon and NOrm Workshop (IRANOW) at the University of Salerno, Italy.

-2014 Convenor of the Special Session on Radon and Norm at the 7th International Conference on Environmental and Geological Science and Engineering (EG '14), organized by WSEAS at Salerno, Italy, June 3-5, 2014

#### **EDUCATIONAL Responsibilities:**

- Professor of Physics 1 and Physics 2 classes for the University Degree Program (Bachelor) in Computer Engineering, EUR-ACE Accredited Programme, and in Civil and Environmental Engineering, EUR-ACE Accredited Programme.
- Professor of Applied Physics to Biomedical Systems (Master program in Bioinformatics and E-Health at UNISA).
- 33 years of experience of professorship of Physics 1 and Physics 2 classes for the University Degree Programmes (Bachelor) for the Engineering programmes, all EUR-ACE Accredited Programmes, at the Faculty of Engineering, University of Salerno.

#### **Educational Experiences abroad:**

Since 2012 he has been visiting the Riga Technical University at Riga, Latvia, delivering lectures on the Natural Radioactivity and the impact on anthropic and natural environments at the Faculty of Civil Engineering in the framework of the Staff Mobility actions of the Erasmus+ Exchange Programme agreement between the University of Salerno and the Riga Technical University (RTU).

2022: ERASMUS outgoing mobility at the University of Novi Sad, Serbia and Faculty of Technical Sciences at Cacak, University of Kragujevac, Serbia.

### **INSTITUTIONAL Responsibilities:**

- Member of the Didactic Committee for the Programs in Information Engineering of DIEM;
- Member of the Steering Committee of DIEM;
- Coordinator of the Projects Committee of DIEM.
- UNISA representative at the Technical Committee on the implementation of the guidelines to reduce the radon impact on the territory, according to the Euratom Directive 2013/59, established by the Regional Government of Campania Region.
- UNISA representative of the Bilateral Scientific Cooperation and ERASMUS EXCHANGE Programme Agreements with Riga Technical University (RTU), Riga, Latvia.
- UNISA representative of the Bilateral Scientific Cooperation and ERASMUS EXCHANGE Programme Agreements with the University of Novi Sad, Serbia.
- UNISA representative of the Bilateral Scientific Cooperation and ERASMUS EXCHANGE Programme Agreements with the University of Kragujevac, Serbia.
- UNISA representative of the Bilateral Scientific Cooperation and the ERASMUS EXCHANGE Programme Agreement with the University of Kırklareli, Turkey
- UNISA representative of the ERASMUS EXCHANGE Programme Agreement with the Izmir Katip Çelebi University, Izmir, Turkey.
- UNISA representative of the Bilateral Scientific Cooperation Programme Agreement with the Salahaddin University at Erbil, Kurdistan.
- UNISA representative of the Bilateral Scientific Cooperation Programme Agreement with the State Institution "OM Marzieiev for Public Health of the National Academy of Medical Sciences of Ukraine", Kyiv, Ukraine.
- UNISA representative of the Bilateral Scientific Cooperation Programme Agreement with the Ibn Tofail University at Kenitra, Morocco.

### **INTERNATIONAL AND NATIONAL PROJECTS:**

#### **International:**

-2023:

**Project:** "assessment of Fallout RAdiONuclides for soil erosion on VESUVIUS due to wildfires" (FARAON Vesuvius)", with CUGRI, University of Novi Sad, Serbia, University of Kırklareli, Turkey.

**Project** "assessment of Fallout RAdiONuclides for soil erosion in CILENTO due to wildfires (FARAON Cilento)", with CUGRI, University of Novi Sad, Serbia, University of Kırklareli, Turkey.

**Project** "ENVlironmental TRACErS for the Investigation of Groundwater/surface water interaction processes (ENVITRACES)", with CUGRI, University of Novi Sad, Serbia, University of Kırklareli, Turkey.

**Project** "CONtursi THErmal SpringS radiological Assessment (CONTHESSA) in the framework of the partnership with CUGRI in the construction of the "Ecosystem of Innovation, Territorial Research Center (CRITer 05)", with CUGRI, University of Novi Sad, Serbia, University of Kırklareli, Turkey.

**Project** "Advanced Innovative techniques and RAdon assessment for the Cultural HEritage Conservation and preservation (A.I.RA for CHEC)", with CUGRI, University of Novi Sad, Serbia, University of Kırklareli, Turkey.

**Project** "Advanced Innovative techniques and RAdon assessment for Constructions (A.I.RA @ HOME)", with CUGRI, University of Novi Sad, Serbia, University of Kırklareli, Turkey.

**Project** "study, definition, modelling and characterization of innovative eco-bio-compatible construction materials from the radiological point of view and aimed at improving environmental quality and living well-being (PON-REACT EU CALL 2021, GREEN 06)", with the Riga Technical University, Latvia, University of Novi Sad, Serbia, University of Kırklareli, Turkey.

**Project** “Techniques of Experimental isotopic and geoelectric Measurements for the characterization of soils in the context of CLimate change (TEMOCLE)”, with University of Novi Sad, Serbia, University of Kirklareli, Turkey.

**Project** “Study and modeling of Plant growth in soil substrates in volcanic environment (SPOTS)”, with University of Novi Sad, Serbia, University of Kirklareli, Turkey.

**Project** for the Establishment of the International Center for Advance Studies and Research on “Technologies for Radiations, Environmental monitoring, Cultural Heritage and Health Risks (THERADE)”, with the Riga Technical University, Latvia, University of Novi Sad, Serbia, University of Kragujevac, Serbia, University of Kirklareli, Turkey.

-2022:

Partnership of the AmbRa laboratory with CUGRI in the following projects, regarding the creation of Ecosystems of Innovation, submitted to the National Agency for the Territorial Cohesion:

**Project:** Research Center for the Security of Natural and Cultural Heritage of Lattari Mountains, Tramonti, Amalfi coast, with the University of Novi Sad, Serbia, University of Kirklareli, Turkey.

**Project:** Constitution and Management of the Territorial Research Center for the Innovation of Security of Social Systems in Southern Italy, (CRITeR), Torre Orsaia, with the University of Novi Sad, Serbia, University of Kirklareli, Turkey.

**Project:** Constitution and Management of the Territorial Research Center for the Innovation of the Hydrogeological Resilience of the Social Security Systems of the Internal Cilento Geopark and for the restoration and conservation of the archaeological heritage of Roscigno and the Alburni district (CRITeR.02), Old Roscigno, with the University of Novi Sad, Serbia, University of Kirklareli, Turkey.

**Project:** Sustainable ENERGY & environmental MONITORING (CRITeR.04), Tramutola, with the University of Novi Sad, Serbia, University of Kirklareli, Turkey.

-2021:

**Project:** “HERMES. Health Effects of Radon and indoor Multipollutant Exposures”, HORIZON HLTH-2021-ENVHLTH-02-02 Indoor air quality and health, Work Programme: HE-2021-2022.

Research project on GREEN topics, PON REACT EU CALL 2021, regarding the study, definition, modelling and characterization of innovative eco-bio-compatible construction materials from the radiological point of view and aimed at improving environmental quality and living well-being, in collaboration with Riga Technical University, University of Novi Sad, Serbia, and the private enterprises Latvia-KNAUF, Dimitto AG and Dimitto Italia.

- 2020: “Original nanostructured modification of reduplication process and electrostatic surface energy of monodisperse nano virus, by unique fluid nano particles preparation. Acronym Nanovirus-discharge”, International Scientific Research project with the University of Kragujevac, Serbia, University of Niš, Serbia, Lahore College For Women University, Lahore, Pakistan.

-2018:

**Project:** Network of European Excellences for the study of Radon in Italy and Serbia (N.E.R.ITA.S.)” bilateral mobility project Italy-Serbia, Secure, Clean and Efficient Energy - Environmental Development and Protection, by the Italian Ministry of Foreign Affairs. Scientific Responsible and Coordinator of the working group from UNISA in the bilateral mobility agreement with University of Novi Sad.

**Project:** Principal Investigator (PI) of the Research Agreement proposal: "Application of an innovative interdisciplinary approach of biological dosimetry to health protection through the investigation of in-vitro blood and cell samples irradiated with low-dose high LET alpha radiation from environmental Radon (acronym IRBIS (Ionizing Radiation exposure of Blood In-vitro Samples)", in the framework of the Coordinated Research Project (CRP): Applications of Biological Dosimetry Methods in Radiation Oncology,

Nuclear Medicine, and Diagnostic and Interventional Radiology (MEDBIODOSE) by the International Atomic Energy Agency (IAEA).

-2010: **project:** "Investigation of Groundwater / Surface Water Interaction Processes by Application of Environmental Tracers (ENVITRACE)" EU Marie Curie Initial Training Networks (ITN) . Call: FP7-PEOPLE-2010-ITN. Status: submitted and passed. Scientific Responsible and Coordinator of the working group from UNISA.

-2008:

**Project:** Realization of a Continuous Radon Monitoring Network in Peru for the investigation and prevention of Natural Risks related to Earthquakes and Volcanic Eruptions. Status: Submitted to Italian Latin American Institute and Italian Cooperation (IILA). Scientific Responsible and Coordinator of the working group from the University of Salerno and in collaboration with the Universidad Nacional del Altiplano, Puno, Peru.

**Project:** Realization of a Continuous Radon Monitoring Network in El Salvador for the investigation and prevention of Natural Risks related to Earthquakes and Volcanic Eruptions. Status: submitted to Italian Latin American Institute and Italian Cooperation (IILA). Scientific Responsible and Coordinator of the working group from UNISA and in collaboration with the Universidad Nacional de El Salvador, San Salvador, El Salvador.

**Project:** "Investigation of the Submarine Groundwater Discharges (SGD) along the Italian and Spanish coastline in the Mediterranean Sea, by means of measurements of Radium and Radon isotopes, like natural tracers". Status: submitted to Italian Ministry of External Affairs (MAE) and Italian Ministry of Education and University (MIUR) project:

CALL: 2008 Bilateral Actions Italy – Spain. Scientific Responsible and Coordinator of the working group from UNISA and in collaboration with the Research Group of Environmental Radioactivity Laboratory, Universidad Autonoma de Barcelona (UAB), Spain.

**Project:** "Investigation of the Submarine Groundwater Discharges (SGD) by means of measurements of Radium Ministero dell'Istruzione dell'Università e della Ricerca MIUR - BANDO 2015 - 10 - and Radon isotopes, like natural tracers". Status: submitted to Ministero per gli Affari Esteri (MAE) e Ministero della Università e della Ricerca (MIUR). CALL: --2008: Bilateral Actions Italy - Brasil. Scientific Responsible and Coordinator of the working group from UNISA and in collaboration with the Research Group at the Universidade do Estado do Rio de Janeiro, Instituto de Biologia R. Alcantara Gomes, LARAMG.

- 2007:

**Project:** SGDCILERAD. SUBMARINE GROUNDWATER DISCHARGE ASSESSMENT ON THE INTERREGIONAL COASTAL AREAS OF CILENTO, SOUTHERN ITALY, WITH MEASUREMENTS OF NATURAL ISOTOPIC TRACERS LIKE 222-RADON. EU 2007 Marie Curie Incoming Fellowship VII Frame Programme. Status: submitted and passed. Scientific Responsible and Coordinator of the working group from UNISA.

**Project:** NATURAL RADIOACTIVITY AND DWELLINGS IN THE MEDITERRANEAN REGION: EXPERIMENTAL MEASUREMENT TECHNIQUES AND THEORETICAL MODELLINGS: CORRELATION WITH GEOLOGY AND TRADITIONAL BUILDING CONSTRUCTION TECHNIQUES. Status: submitted to INFN and Spanish Ministry of Education and University (MEC), Spain. CALL: 2007 International Affairs Funds INFN – MEC (SPAIN): Scientific Responsible and Coordinator of the working group from UNISA in collaboration with the Research Group, Radiation Physics Group, from the Universidad Autonoma de Barcelona, (UAB), Spain.

**National:**

-2022: National Project. ATHENA - A novel approach Towards the management of building materials of particular historical-artistic interest: assessment of the radon Exhalation and the radiological risk due to Natural radioActivity content. PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2022 PNRR- LINEA SUD.

- from 02/06/2017 to 02/08/2020: "Project to reduce the social cost caused by bacterial infections post-surgery" (acronym BIPS) (call HORIZON 2020 PON 2014-2020 by Italian Ministry for Economic Development (MISE)).

-2018: Principal Investigator (PI) and coordinator of the Research Unit UNISA in the Project: INNOVATIVE SUSTAINABLE AGRICULTURE BASED ON ELECTROMAGNETIC FIELDS TECHNOLOGIES (ISABEL)", ITALIAN MINISTRY OF AGRICULTURE".

- 2018: Principal Investigator (PI) and coordinator of the Research Unit UNISA in the PRIN 2017 Project: R.ITA. (Radon in Italy): Assessment of the impact of the naturally occurring radioactive materials (Radon) on anthropic and natural environments. (Prot. 201787YZ9J) submitted to the 2017 PRIN Call: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE.

- 2016: Principal Investigator (PI) and coordinator of the Research Unit UNISA in the PRIN 2015 Project: "N.E.R.ITA (Network of Excellences for Radon in Italy): Assessment of the impact of the naturally occurring radioactive materials (NORM) and technologically enhanced naturally occurring radioactive materials (TENORM) on anthropic and natural environments" (Prot. 2015ETX27H) submitted to the 2015 PRIN Call: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE.

- 2006: - Scientific responsible and coordinator of the Research Unit UNISA in the project: "Geophysical Applications of measurement techniques of radioactivity in soils" (prot. 2006023515) 2006 PRIN Call: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE.

**Actual PROFESSIONAL MEMBERSHIPS:**

Italian Association of Radioprotection (AIRP);

Italian Association of Radon professionals;

Italian Physical Society (SIF);

**Past PROFESSIONAL MEMBERSHIPS:**

European Association of Geoscientists and Engineers (EAGE),

European Radon Association (ERA).

**PROFESSIONAL APPOINTMENTS:**

-1991 – 2015: Scientific Research appointment at the INFN, National Institute for Nuclear Physics. - 2009---  
-2011: CUGRI. Scientific Responsible for the realization of a Feasibility Study on the Risks occurring from the outcome of the threshold values associated to Radon activity concentrations, appointed by the Regional Environmental Protection Agency from Campania, Italy.

-2008-2010: CUGRI. Responsible for the project of monitoring, prevention and reduction of the Risks associated to the exposition to Radon gas occurring in the drinking water network facilities system managed by the Consortium of Cilento Aqueducts (CONSAC), Southern Campania, Italy.

-2007-2009: CUGRI. Environmental Physics Expert for the Projects of Investigation of the Interactions between Groundwater and Surface Waters, by means of the use of Naturally Occurring Tracers, like Radon and Radium, according to the requirements for the water quality issued by the European Framework Directive - integrated river basin management for Europe (2000/60/EC of the European Parliament) and the next Groundwater Directive 2006/118/EC, included in the Italian Legislation with D.L. 152/06 and the related technical reports. The above projects regard the drainage basins/sub-basins of the Upper Bussento river and Upper Mingardo river and are carried on with collaboration of the corresponding Regional Water Authority (Autorità di Bacino in Sinistra Sele).

2006-2008: INFN. Scientific Responsible of the Research Unit of Salerno for the ENVIRAD\_SPLASH INFN National Project for the assessment of the RADON indoor impact inside the Italian High Schools, with collaboration of teachers and students for a better knowledge of the phenomenology of radioactivity and its impact on the territory.

**MEMBER OF THE EDITORIAL BOARD OF THE FOLLOWING JOURNALS:**

Journal of Radiation and Nuclear and Applications (JRNA),  
the International Journal of Fundamental Physical Sciences (IJFPS),  
International Journal of Environmental Planning and Management, PSF  
International Journal of Modern Physics and Applications, PSF.  
International Journal of Environmental Research and Public Health (IERPH), MDPI

**PEER-REVIEWER OF THE JOURNALS:**

PHYSICA A  
JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, Elsevier.  
GEOTHERMICS  
International Food Research Journal  
ANNALS OF THE AMERICAN ASSOCIATION OF GEOGRAPHERS  
Journal of Radiation Research and Applied Sciences (JRRAS)  
Journal of Radioanalytical and Nuclear Chemistry (JRNC), Springer.  
Current Advances in Environmental Science (CAES) Environmental Earth Sciences (EES)  
Iranian Journal of Nuclear Medicine (IRJNM)  
Applied Water Science (AWSC)  
Sustainability, MDPI  
Epidemiologic Methods, De Gruyter.  
Radiation Physics and Chemistry, Elsevier.

**Third Mission Activities: Technology Transfer and Public Engagement:**

In the framework of the applied research activities done in the Laboratory for Environmental Radioactivity "Ambients and Radiations - Amb.Ra.", also Third Mission activities have been carried on by M. Guida and S. Mancini. Particularly, we have been engaged in Public Engagement with Associations of Professionals, School and Municipalities and in the following projects of Technology Transfer, coordinated by S. Mancini, aimed at the development of innovative ideas concerning the environmental issues and the public health protection:

- 1) creation and promotion of a Quality Brand for the materials used in the construction industry, for the protection of the public human health regarding the exposure to natural radioactivity, especially to Radon;
- 2) development of an innovative technology for the monitoring, the prediction and the management of the Radon concentrations in closed spaces, by means of a network of sensors and a predictive software.

**Patent:**

-2022: **Patent:** "System for monitoring and predicting Radioactive Gases Concentrations", Italian patent application filed. PATENT: 05/05/2022 No. 102020000006313.

Awards: StartCupCampania2015.

**Publications:** Last 17 years

**H index (Scopus, Sept 2023): 40**

**Total citations (Scopus, Sept 2020): 9566**

## 2023

- 1) S. Aközcan, S. Mancini, S. Özden, V. Venuti, F. Caridi, G. Paladini, M. Guida. (2023). *Comparison of Radioactivity and Metal Pollution Concentrations in Marine Sediment Samples Obtained from the Aegean Sea (Turkey) and the Calabria Region (Italy)*. Published 19 June 2023 Environmental Science WSEAS TRANSACTIONS ON ENVIRONMENT AND DEVELOPMENT DOI:10.37394/232015.2023.19.57.
- 2) L. A. Alasadi, A. A. Abojassim, M. Guida, S. Mancini. (2023). *Measurements and mapping natural radioactivity in the city of Najaf, Al-Najaf Governorate (Iraq), by using track detector CR-39 and geographical information system (GIS)*. In press. APSAC CONFERENCE VENICE JUNE 2023.
- 3) S. Mancini and M. Guida. (2023). *Development of a pre-diagnosis procedure for the evaluation of indoor radon potential in buildings*. In press APSAC CONFERENCE VENICE JUNE 2023.
- 4) S. Akozcan, S. Mancini, N. Todorovic, S. Ozden and M. Guida (2023). *Assessment of the natural radioactivity content in typical building materials employed in the Italian cultural heritage*. MetroArchaeo 2023, ROME. IN PRESS.
- 5) S. Mancini, N. Todorovic, S. Akozcan, D. Guida, A. Cuomo and M. Guida . (2023). *Monitoring of indoor Radon in historical heritage buildings by means of passive and active methods. A case study*. MetroArchaeo 2023, ROME. IN PRESS.
- 6) R. Aziz; M. Falanga; J. Purenovic; S. Mancini, P. Lamberti, M. Guida (2023). *A Review on the Applications of Natural Biodegradable Nano Polymers in Cardiac Tissue Engineering*. NANOMATERIALS, 13, 1374-1401. DOI 10.3390/nano13081374.

## 2022

- 7) S. Mancini; M. Vilnitis; N. Todorović; J. Nikolov; M. Guida (2022). *Experimental Studies to Test a Predictive Indoor Radon Model*. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH (IJERPH), 19, 6056-6063. DOI 10.3390/ijerph19106056.
- 8) G. Graziuso, G.; A. B. Francavilla; S. Mancini; M. Guida, M.; C. Guarnaccia (2022). *Physical Agents Quality Index (PAQI): Application in a University Campus*. JOURNAL OF PHYSICS. CONFERENCE SERIES, 2162, 1-8. DOI 10.1088/1742-6596/2162/1/012008.

## 2021

- 9) S. Mancini; M. Vilnitis; M. Guida (2021). *A Novel Strategy for the Assessment of Radon Risk Based on Indicators* INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH (IJERPH), 18, 1-13 DOI 0.3390/ijerph18158089.

## 2020

- 10) S Mancini, M Guida, G Graziuso, J Quartieri and C Guarnaccia (2020). *Development of an Environmental Quality Index to Assess Physical Agents Pollution*. 4th Int. Conf. on Applied Physics, Simulation and



Computing (APSAC2020) Conference Proceedings Journal of Physics (IOP), JOURNAL OF PHYSICS. CONFERENCE SERIES, 1603, 1-5. IOP Publishing Ltd.

- 11) S Mancini, M Guida, A Cuomo, D Guida (2020) *A geogenic approach for the Radon monitoring and the exposure assessment at a regional scale. The results of the Rad\_Campania project*. Paper on a special issue: Understanding volcanic processes through geophysical and volcanological data investigations: some case studies from Italian sites (EGU2019GMPV.5session, COV10S01.11 session). ADVANCES IN GEOSCIENCES, 52, pp. 87-96.
- 12) S Mancini, M Guida et al. (2020) *Human Bio-Monitoring and Bio-Indicators for Health Risk Management Associated to Chronic Exposures in High Radon Concentration Environments: A Review*, Chapter in a book, Radionuclides: Properties, Behavior and Potential Health Effects, Todorović and J. Nikolov (Editors) Series: Environmental Science, Engineering and Technology, Nova Publisher ISBN: 978-1-53617-379-6.
- 13) E. Faella, Enver; S. Mancini; M. Guida, Michele; A. Cuomo; D. Guida (2020). *Alpha Spectrometry of Radon Short-Lived Progeny in Drinking Water and Assessment of the Public Effective Dose: Results from the Cilento Area, Province of Salerno, Southern Italy* MATERIALS Vol. 13, 5840-5851.

## 2018

- 14) Mancini, S.; Guida, M.; Cuomo, A.; Guida, D.; Ismail, A. H.  
*Modelling of indoor Radon activity concentration dynamics and its validation through in-situ measurements on regional scale*.  
In: AIP Conference Proceedings Series: MMCTSE 2018 AIP Publishing Vol.1982, Pag.1-8 ISBN:9780735416987 2nd International Conference on Mathematical Methods and Computational Techniques in Science and Engineering; Cambridge, UK February 16-18, 2018, Digital Object Identifier (DOI): 10.1063/1.5045449, Codice identificativo SCOPUS: 2-s2.0-85051126247 (Contributo in Atti di convegno).
- 15) Mancini S., Vilnitis M., Guida M., Cuomo A., Guida D.  
*ASSESSING THE RADON IMPACT IN NATURAL AND ANTHROPIC ENVIRONMENTS AND THE ASSOCIATE HEALTH RISK FOR WORKERS AND POPULATION WITH AN INNOVATIVE MULTIDISCIPLINARY MULTISCALE GEOGENIC APPROACH*.  
In: (a cura di): Giovanna Bianchi Bazzi, 104 Congresso Nazionale della Società Italiana di Fisica, Arcavacata di Rende Cosenza 17-21 Settembre 2018. p. 45, BOLOGNA: Società Italiana di Fisica, ISBN: 9788874381135, Arcavacata di Rende Cosenza, 17-21 Settembre 2018 (Abstract in Atti di convegno).
- 16) Bisceglia B., Guida M., Mancini S.  
*Campi Magnetici ELF. Effetti su germinazione e crescita delle piante*.  
In: (a cura di): Giovanna Bianchi Bazzi, 104 Congresso Nazionale della Società Italiana di Fisica, Arcavacata di Rende Cosenza 17-21 Settembre 2018. p. 213, BOLOGNA: Società Italiana di Fisica, ISBN: 9788874381135, Arcavacata di Rende Cosenza, 17-21 Settembre 2018 (Abstract in Atti di convegno).
- 17) Bisceglia B., Guida M., Mancini S.  
*Disinfestazione di terreni agricoli con esposizione a microonde*.  
In: (a cura di): Giovanna Bianchi Bazzi, 104 Congresso Nazionale della Società Italiana di Fisica, Arcavacata di Rende Cosenza 17-21 Settembre 2018. p. 213, BOLOGNA: Società Italiana di Fisica, ISBN: 9788874381135, Arcavacata di Rende Cosenza, 17-21 Settembre 2018 (Abstract in Atti di convegno).
- 18) Guida M., Falanga M., Mancini S., Ismail A. H., Turco M. C., Pilotti I.  
*IRBIS (Ionizing Radiation exposure of Blood Samples) project: an innovative interdisciplinary approach of Biological Dosimetry to investigate blood and cell samples exposed to Radon*.

In: (a cura di): Giovanna Bianchi Bazzi, 104 Congresso Nazionale della Società Italiana di Fisica, Arcavacata di Rende Cosenza 17-21 Settembre 2018. p. 91, BOLOGNA: Società Italiana di Fisica, ISBN: 9788874381135, Arcavacata di Rende Cosenza, 17-21 Settembre 2018 (Abstract in Atti di convegno).

- 19) Mancini S., Caliendo E., Guida M., Bisceglia B.  
*Measuring Radon exhalation rates as a criterion to assess the bio-sustainability of the microwave treatment to eliminate biodeteriogens infesting stone walls of monumental historical buildings.*  
In: (a cura di): Giovanna Bianchi Bazzi, 104 Congresso Nazionale della Società Italiana di Fisica, Arcavacata di Rende Cosenza 17-21 Settembre 2018. p. 186, BOLOGNA: Società Italiana di Fisica, ISBN: 9788874381135, Arcavacata di Rende Cosenza, 17-21 Settembre 2018 (Abstract in Atti di convegno).

- 20) Mancini S., Cuomo A., Guida M., Guida D.  
*Programma di Ricerca RAD\_CAMPANIA: I principali risultati sulla valutazione del Radon in ambienti di vita e di lavoro e nelle diverse matrici ambientali: suoli, corpi idrici e materiali da costruzione..*  
In: (a cura di): Giovanna Bianchi Bazzi, 104 Congresso Nazionale della Società Italiana di Fisica, Arcavacata di Rende Cosenza 17-21 Settembre 2018. p. 48-49, BOLOGNA: Società Italiana di Fisica, ISBN: 9788874381135, Arcavacata di Rende Cosenza, 17-21 Settembre 2018 (Abstract in Atti di convegno).

- 21) Bisceglia B., Guida M., Mancini S., Ribera F.  
*Tecniche Innovative per il trattamento di opere d'arte.* In: (a cura di): Giovanna Bianchi Bazzi, 104 Congresso Nazionale della Società Italiana di Fisica, Arcavacata di Rende Cosenza 17-21 Settembre 2018. p. 186, BOLOGNA: Società Italiana di Fisica, ISBN: 9788874381135, Arcavacata di Rende Cosenza, 17-21 Settembre 2018 (Abstract in Atti di convegno).

## 2017

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20 october 2020

Prof. Michele Guida

A handwritten signature in black ink, appearing to read "Michele Guida". The signature is written in a cursive style with a large initial 'M' and a long, sweeping underline.