

Curriculum Vitae of Prof. Mentore Vaccari

Education

- 1999: M.Sc. in Civil Engineering at the University of Brescia
- 2003: Ph.D. in Sanitary Engineering at the Polytechnic of Milan; thesis title: " Emerging Issues in the remediation of contaminated sites "
- 2004-2005: Post -doctoral researcher in Sanitary Engineering at the University of Brescia

Work address

- University of Brescia, Department of Civil Engineering, Architecture, Land, Environment and Mathematics, Via Branze n. 43, 25125 Brescia – Italy
- Tel: + 39 030 3711300
- E-mail: mentore.vaccari@unibs.it

Current position

- 2005-present: Assistant Professor of "Sanitary and Environmental Engineering" at the University of Brescia
- A.Y. 2016/17-present Adjunct Professor of "Solid waste and contaminated site remediation" at the University of Brescia
- 2016-present: Qualified as Associate Professor of "Sanitary and Environmental Engineering"

Previous teaching activity

- A.Y. 2005/06-2015/16: Adjunct Professor of "Detailed Design of Treatment Plants for Water, Waste and Contaminated Soil", University of Brescia
- A.Y. 2003/04-2004 /05: External Professor of "Sanitary and Environmental Engineering", University of Pavia-Mantua
- A.Y. 2010/11: External Professor of "Wastewater Treatment Plants", University of Roma Tre
- 2005-present: Lessons about "Drinking water treatment", "Wastewater treatment", "Solid waste management", "Contaminated site remediation" and "Appropriate technologies for developing Countries" in numerous doctoral programs and professional courses in Italy

Supervision of students and research fellows

- A.Y. 2000/01-present: Supervisor of 80 BSc and MSc theses at the University of Brescia, University of Pavia, University of Northampton (UK)
- 2004-present: Supervisor of 13 PhD theses at University of Brescia
- 2011-present: Supervisor of 5 research fellows at University of Brescia

Scientific activity

- 2000-present: Research activity about drinking water treatment, wastewater treatment, solid waste management (i.e. collection, treatment, recovery, disposal), contaminated site remediation, in Italy, Europe and developing Countries
- 2000-present: Principal investigator in lots of research programmes and international cooperation projects funded by public Insitutions (e.g. UE, Ministry of Foreign Affairs, Regions) and private companies. List of 5 selected projects:

- 2005-2008: Somalia Urban Development Programme, funded by the European Union and coordinated by UNDP and UN-Habitat
- 2007-2011: Participative gestion des ressources forestières Economique et d'Initiatives promotion éco- compatibles dans la Vallée du Logone, funded by the European Union and coordinated by Acra
- 2010-2013: Environmental protection and sustainable development: Building Local Capacities on solid waste management in South Sudan, funded by the European Union and coordinated by Cesvi
- 2016-2019: EU Support to Jordan Response to the Syrian Crisis - Livelihood projects, funded by the European Union and coordinated by ICU Rome
- 2019-2021: Circular economy in olive oil and wine sectors. Valorisation of by-products and residues through innovative processes and new business models, funded by Fondazione Cariplo
- 2008-2013: member of the School Committee of the PhD in "Methods and techniques appropriate in International Development Cooperation " at the University of Brescia
- 2013-present: member of the School Committee of the PhD in " Civil and Environmental Engineering " at the University of Brescia
- 2017-present: head of the Laboratory of sanitary and environmental engineering at the University of Brescia

Publications and Conferences

- 2000-present: speaker at more than 100 conferences
- 2000-present: Author of more than 200 scientific publications. List of 5 recent publications:
 - S. Scaffoni, M.R. Boni, P. Tedesco, M. Vaccari. Fe(II) and Mn(II) removal from contaminated groundwater by adsorption: a comparison between activated carbon and pine bark. *Environmental Engineering and Management Journal* 17 (2018), 8, 1989-1999
 - M. Vaccari, T. Tudor, A. Perteghella. Costs associated with the management of waste from healthcare facilities: An analysis at national and site level. *Waste Management and Research*, 2018, 36(1), 39–47
 - M. Vaccari, P. Foladori, S. Nembrini, F. Vitali. Benchmarking of energy consumption in municipal wastewater treatment plants - a survey of over 200 plants in Italy. *Water Science and Technology*, 2018, 77 (9), 2242-2252
 - V. Savvilotidou, A. Kousaiti, B. Batinic, M. Vaccari, E. Kastanaki, K. Karagianni, E. Gidarakos. Integrating circularity strategies for liquid crystal displays pre-treatment focusing on indium recovery. *Waste management*, 2019, 87, 51-61
 - A. Cesaro, V. Belgiorno, G. Gorrasi, G. Viscusi, M. Vaccari, G. Vinti, A. Jandric, M.I. Dias, A. Hursthouse, S. Salhofer. A relative risk assessment of the open burning of WEEE. *Environmental Science and Pollution Research*, 2019, 26(11), 11042–11052