

PERSONAL INFORMATION Alessio Malcevschi



📍 Via Torrigiani 25, 43044 Ozzano Taro (PR)

☎ +390521905049 📠 +393346819299

✉ Alessio.malcevschi@unipr.it

🌐 en.unipr.it

💬 Skype aliosha.malcevschi

National Insurance number: MLCLSS60P07E897D

Sex male | Date of birth 07/09/1960 | Nationality Italian

WORK EXPERIENCE

- 1997-present Researcher at the Department of Environmental Sciences at the Faculty of Science, University of Parma
- 1999-2010 Teaching “Transgenic Animals” and “Bioremediation” courses
- 2000- 2009 Teaching of “Plant Genetics” course at the Faculty of Pharmacy
- 2015- present Advocating on behalf of University of Parma the implementation of Agenda 2030. Founder with other 10 Italian Universities of the Italian University Network for Sustainable Development (RUS) which marks the first experience of information sharing and coordination among all Italian Universities committed to the topic of environmental sustainability and social responsibility. Member of the Italian Alliance for Sustainable Development (ASviS) at the working table SDG2 “Zero hunger” whose aim is to raise the awareness of the Italian society, economic stakeholders and institutions about the importance of the 2030 Agenda for Sustainable Development, and to mobilize them in order to pursue the Sustainable Development Goals (SDGs). Organizer of the Parma ASviS Festival on the Agenda 2030 and Sustainable Development. Member of CUCI the Academic Centre for International Cooperation of University of Parma to foster international cooperation projects. Member of UCB the University Center for Bioethics.
- 2019-present Teaching “Food Sustainability” at the Department of Economics

EDUCATION AND TRAINING

- 1985 Graduated in Chemistry (110/110) at University of Parma
- 1990 Ph D in Molecular Biology at University of Parma
- 1991-1994 Post Doc fellowship at Cambridge Laboratory (John Innes Institute, Norwich (UK)
- 1995-1996 Fellowship at Department of Environmental Sciences, University of Parma

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	B1	B1	B1	B1	B1
Replace with name of language certificate. Enter level if known.					

Communication skills ▪ Used to speak in front to crowded audiance

Organisational / managerial skills ▪ currently Rector's Delegate for the Italian network of sustainable universities

Digital competence Good command of Microsoft office

Driving licence B

ADDITIONAL INFORMATION

1987-1989: identification of new class iii transcription factors in *saccharomyces cerevisiae*.ed (institute of biochemistry, university of Parma).1989-1990:"in vitro"transcription analysis of tandem repeats of tobacco and rice by RNA polimerase III of *saccharomyces cerevisiae* (institute of biochemistry, University of Parma e Institute of Genetics, University of Pavia).1991: "in vitro" synthesis of proteins from mRNA purified from cows. (institute of Molecular biology, Faculty of veterinary, University of Parma).1991-1994: cloning di of tobacco mitochondrial genes and transformation of plant motochondira by means of "particle gun".(Cambridge laboratory, John Innes Centre for Plant Science Research, Norwich, UK).1995-1996: RFLP analysis of useful genetic variability in barley (Department of Environmental Sciences, University of Parma).1996-1998: transcription analysis of barley genes in drought condition. (Department of Environmental Sciences, University of Parma (Department of Environmental Sciences, University of 'Parma 1998-2009: involved in national and european projects aimed to the development of analytical methodologies for traceability of residues from transgenic plants in food products and food chains: by means of genomic and proteomics approaches including rt-PCR analysis and mass spectrometry (MALDI).2010-2018: chemical-physical analysis of biochar produced through pyrolysis plants and gasifiers and made from residues of organic biomass of agro-industry. use of biochar in field and agronomic evaluations. 2015-2017 rector's delegate for sustainability. 2016-up to now University of Parma delegate for RUS (Rete delle Università per lo Sviluppo Sostenibile). Organizer of the ASviS Parma festival on Agenda 2030. Scientific responsible for University of Parma for the Project POR-FESR 2019-2021 "IMPRESA" "Use of recycled plastic materials for lightweight structural mortars and concretes), Scientific responsible for University of Parma for the Regional Project ALFONSA (School for the high formation in Appennine) ending in 2023.. Partecipation to the Italian PRIN 2022 project "The Future of Food, the Food of Future..Novel Food, Innovation, Sustainability and Legal Issues"

Research Activity on the dedicated topics (latest 5 years)

- Sirico, A., Bernardi, P., Sciancalepore, C., Belletti, B., Milanese, D. and Malcevschi, A., (2023). Combined effects of biochar and recycled plastic aggregates on mechanical behavior of concrete. *Structural Concrete, Open Access*, 24(5): 6721-37, doi: 10.1002/suco.202200949.
- Sirico A., Belletti B., Bernardi P., Malcevschi A., Pagliari F., Fornoni P., Moretti E. (2022). Effects of biochar addition on long-term behavior of concrete. *Theoretical and Applied Fracture Mechanics* 122, Article number 103626. doi: 10.1016/j.tafmec.2022.103626.
- Sirico, A., Bernardi P., Sciancalepore C., Vecchi F., Malcevschi A., Belletti B., Milanese, D. (2021). Biochar from wood waste as additive for structural concrete. *CONSTRUCTION AND BUILDING MATERIALS*, vol. 303, art. n. 124500. doi: 10.1016/j.conbuildmat.2021.124500.
- Sirico A., Bernardi P., Belletti B., Malcevschi A., Dalcanale E., Domenichelli I., Fornoni P., Moretti E. (2020). Mechanical characterization of cement-based materials containing biochar from gasification. *CONSTRUCTION AND BUILDING MATERIALS*, vol. 246, art. n. 118490, doi: 10.1016/j.conbuildmat.2020.118490.
- Sirico A., Bernardi P., Belletti B., Malcevschi A., Restuccia L., Ferro G. A., Suarez-Riera D., (2020). Biochar-based cement pastes and mortars with enhanced mechanical properties". *FRATTURA E INTEGRITÀ STRUTTURALE*, vol. 54, pp. 294-313, doi: 10.3221/IGF-ESIS.54.21. Portugal.
- Sirico, A., Bernardi P., Belletti B., Malcevschi, A. (2024). "Use of Plastic Waste for the Development of Green Lightweight Structural Concrete". *Lectures Notes in Civil Engineering* 43, 190-203, Italian Concrete Conference ICC2022, Naples, 12-15 Oct 2022, doi: 10.1007/978-3-031-43102-9_16, ISBN 978-303143101-2.
- Belletti, B., Bernardi, P., Fornoni, P., Malcevschi, A., Sirico, A. (2023). Development of sustainable cementitious materials by using biochar *Lectures Notes in Civil Engineering* 351, 427-440, Italian Concrete Conference ICC2021, virtual, online, 14-17 Apr 2021, doi: 10.1007/978-3-031-37955-0_31; ISBN 978-303137954-3.
- Ruffini V., Cappucci G.M., Neri P., Sirico A., Zannotto F., Balbo A., Belletti B., Bernardi P., Malcevschi A., Monticelli C., Ferrari A.M. (2022). "Life cycle assessment of a bridge column made of concrete and biochar", *Proceedings of the Symposium SUM 2022 "Sixth Symposium On Circular Economy And Urban Mining"*, Capri, Italy, 18-20 May 2022
- Belletti B., Bernardi P., Malcevschi A., Milanese D., Sciancalepore C., Sirico A., Vecchi F. (2021), "Development of innovative circular cementitious materials containing waste", *Proceedings of 5th MatER (materials & energy from refuse) Meeting & 6th Conference on Final Sinks "Recovery & Final Sinks for an Effective Waste Management"*, 7-9 June 2021, Piacenza (Italy).
- Belletti B., Bernardi P., Malcevschi A., Sirico A. (2019), "Application of biochar for the development of carbon sink building materials", *IBI Biochar World Congress 2019*, 10 -14 November 2019, Seoul, Korea.

Faithfully

Prof. Alessio Malcevschi

