Prof Dezotti obtained her BSc in Chemistry in 1985, her MSc and DSc in Chemistry (1986 and 1992), all of them at UNICAMP (University of Campinas/Brazil). Her DSc thesis was decisive in her academic career. She decided to work in the environment research area, more specifically with treatment of domestic and recalcitrant industrial effluents, and later she included water treatment in her research topics. It should be noted that at that time (1990s), these areas of research were not yet a “fever” in the academic world, but Prof. Dezotti had no doubt that she would have much to contribute and did so. Since then, Prof. Dezotti has been conducting its research with a vast range of processes for the treatment of water and effluents, such as advanced oxidative processes, primary effluent treatment and biological processes (including advanced biological processes).

Márcia Dezotti brought her experience from the field of chemistry to the sciences of chemical engineering, in which she has been working since 1995. She introduced relevant research topics for Brazil, such as emerging pollutants and advanced oxidative processes (she innovated in the identification of the organic sub-products and in their association with biological processes), in addition to advanced biological processes. She has published in the best international journals and had outstanding performance in the training of MSc and DSc students. Her research work is appreciated and respected internationally.

She conducted several projects in the environmental area (water and effluents treatment) with oil, petrochemical, chemical and pharmaceutical companies, such as PETROBRAS, BAYER, BRASKEM, PETROFLEX (now ARLANXEO), Rio Polímeros (now BRASKEM), TANAC, Manguinhos oil refinery among others. She led many other projects with Brazilian research agencies (FAPERJ, CNPq, CAPES) and foreign universities (Spain, Portugal, France, USA among others).

She is the Coordinator of the Chemical Engineering area at FAPERJ (Carlos Chagas Filho Foundation for Research Support of the State of Rio de Janeiro). She was President of the Faculty Evaluation Committee of COPPE/UFRJ-Brazil (2013-2019) and Head of Chemical Engineering Program – COPPE-UFRJ-Brazil (2013-2015). Prof. Dezotti is the coordinator of the Water Pollution Control Lab/COPPE/UFRJ and she is often invited to provide her opinion as an expert on environmental problems related to water and effluents in Brazil.

Prof. Dezotti started a few years ago to become very involved with the emotional/social impacts that female students who are doing their theses (MSc and DSc) in Engineering (COPPE) suffer and that impair their full scientific development. So, she helped to structure and is a Founding Member of the COPPE Women Support Group. This group aims to aid women in their academic/scientific careers. One of the actions is helping students and teachers who have difficulties in carrying out their activities (<https://gamcoppe.wixsite.com/ufrj>).

Prof. Dezotti was the supervisor of 41 DSc theses, 49 MSc theses and 11 post-doc. She organized the following symposia and conferences: XVIII Chemical Engineering Colloquium, COPPE/UFRJ (2018), 10th World Congress of Chemical Engineering - Advanced Oxidation Processes Symposium (AOPs) – Spain (2016), 14th IWA Leading Edge Conference on Water and Wastewater Technologies – Brazil (2016) and the II Meeting on Oxidative Processes (EPOA) that gave rise, under her coordination, to the International Congress on the same theme (CIPOA – Iberoamerican Conference on Advanced Oxidation Processes) – Brazil (2011). It is important to note that CIPOA is a success and will already have its 5th edition in Peru.

The total number of publications during her career is 129 papers (<http://lattes.cnpq.br/8152054984438197>), in SCOPUS: 120 papers with 5084 citations and h-index 34 (April 7th, 2022) AU-ID ("Dezotti, M."  6602991445). She is, certainly, among the most cited researchers in engineering in Brazil.

Prof Dezotti has published three books, two national and one international. The first of these, Process and Techniques for the Environmental Control of Liquid Effluents, ed. E-papers, p.360, 2008, is adopted as a textbook in the undergraduate courses of Chemical and Environmental Engineering in several Brazilian universities, with more than 1000 copies sold.

The second book, Advanced Biological Processes for Effluent Treatment and Molecular Biology Techniques for the Study of Microbial Diversity, ed. Interciência, p. 357, 2011 is adopted in Brazilian graduate courses with great success and is a reference for several Brazilian research groups.

The 3rd book was published by Springer, Advanced Biological Processes for Wastewater Treatment – Emerging, Consolidated Technologies and Introduction to Molecular Techniques, p. 360, 2017. An online publication also became available on Sep 20, 2017 and since then, there have been a total of 7801 chapter downloads for this eBook on SpringerLink. The authors received the following message from the publisher: “We are also delighted to tell you that your book was among the top 50% most downloaded eBooks in its respective eBook Collection in 2019.”

During her academic career, she received more than 30 awards (http://lattes.cnpq.br/8152054984438197), among which the COPPE Giulio Massarani Award - Academic Merit, COPPE/UFRJ in 2010 that was awarded in recognition of her scientific production of the highest level. Other highlights are the Scientist of Our State, FAPERJ awards in 2006, 2009, 2015 and 2020, which is awarded to the best researchers in the State of Rio de Janeiro/Brazil. She was elected Full Member of the Brazilian Academy of Sciences in 2020 in recognition of her scientific production and its impact in Brazil.

Currently, she has been working on the following research projects: treatment of pesticide effluents with the objective of reuse, MBBR applied to the treatment of effluents, processes with membranes aimed at reuse, removal of emerging pollutants by advanced oxidative processes, removal of hormones and estrogenic activity, among others.

Prof. Dezotti is a reference in Brazil and internationally. Her research work is respected worldwide. She has supervised many MSc and DSc students and has an award-winning career. She coordinated numerous projects with industries. She has published three books that are adopted as a reference in Brazilian universities. One of them was published internationally and has great repercussion in the academic world. She published more than 100 papers and is one of the most cited researchers in Brazil, in the area of chemical engineering. Additionally, she is Founding Member of the COPPE Women Support Group. She was elected Full Member of the Brazilian Academy of Sciences in 2020.