

## SHORT CURRICULUM VITAE

**ROMILDO DIAS TOLEDO FILHO**



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**H index** Web of Science: 59; **H index** Scopus: 64; **H index** ResearchGate: 69; **H index** Google Scholar: 76.

**Romildo Dias TOLEDO FILHO, D.Sc.**, Professor of the Civil Engineering Program at COPPE/UFRJ, Member of the Brazilian Academy of Sciences, Member of the National Academy of Engineering, Researcher 1A at CNPq (National Council for Scientific and Technological Development) and Senior Scientist of the State of Rio de Janeiro (FAPERJ).

Brazilian nationality. Marital Status: Married.

**Current position:** 2023 – Executive Director of the UFRJ Technologic Park; 2013 – Coordinator of the Nucleus for Research and Education in Sustainable Materials and Technologies (NUMATS) at COPPE/UFRJ; 2002 – Head of the Laboratory of Integrity, Cementation and Refractory Concrete of the Laboratory of Structures and Materials (LABEST) of the Civil Engineering Program at COPPE/UFRJ; 2022 – Vice President of the Brazilian Association of Non-Conventional Materials and Technologies (ABMTENC); 2018 – Member of the INBAR Bamboo Construction Task Force; 2024-2025 - Director of International Relations of the National Association of Entities Promoting Innovative Enterprises – ANPROTEC; 2024-2026 - Vice President of the Executive Committee of RILEM Latin America (Lat-RILEM); 2025 - Executive Director of the Brazil-BRICS Innovation Center for Neo-Industrialization – CBBIN.

**Experience:** 2019-2023 – Director of COPPE/UFRJ; 2015-2019 - Vice Director of COPPE/UFRJ; 2013-2015 – Director of Technology and Innovation at COPPE/UFRJ; 2013-2015 – Superintendent Director of the COPPETEC/COPPE/UFRJ Foundation; 2013 – Director of the Brazil – China Center on Climate Change and Innovative Technologies for Energy; 2013 – Head of the Sustainable Materials and Technologies Center (NUMATS/POLI/COPPE/UFRJ); 2002 - Head of the Structures and Materials Laboratory (LABEST) of the Civil Engineering Program at COPPE/UFRJ; 1999 – Professor of the Civil Engineering Program at COPPE/UFRJ; 1987-1998 – Associate Professor at the Department of Agricultural Engineering at the Federal University of Paraíba; 1994-1996 – Visiting Researcher, Concrete Section, Department of Civil Engineering/Imperial College/London; 1989-1991: Head of the Department of Agricultural Engineering at the Federal University of Paraíba; 1987-1988: Director of the Water Resources Management Secretariat of the state of Paraíba; 1986-1987 – Assistant Professor at the Department of Civil Engineering at the Pontifical Catholic University of Rio (PUC-Rio).

**Summary of Academic Production and Main Prizes Received:** - Scientific production: 334 articles published in peer-reviewed journals; 6 books organized and published (Proceedings of international and

national conferences); 53 book chapters published, 451 complete articles published in conferences; 54 doctoral supervisions/co-supervisions completed (5 of them awarded by industrial and academic organizations) and 16 in progress; 78 master's supervisions/co-supervisions completed and 2 in progress; 17 completed postdoctoral supervisions and 7 in progress; Awards: Luis Alfredo Falcão Bauer award for the best Brazilian Researcher in Materials granted by the Brazilian Institute of Concrete (IBRACON), Capes-Vale Science and Sustainability Award for supervising the best doctoral thesis in the area of “Reduction of Greenhouse Gases, entitled “CO<sub>2</sub> capture in cementitious materials through accelerated carbonation”.

**Professional memberships:** Member of the International Union of Laboratories and Specialists in Building Structures, Systems and Materials (RILEM); Member of the American Society of Civil Engineers (ASCE); Member of the American Concrete Institute (ACI); Member of the Brazilian Institute of Concrete (IBRACON); Member of the Brazilian Committee on Large Dams; Member of the Brazilian Association of Non-Conventional Materials and Technologies (ABMTENC); Member of the Brazilian Society of Agricultural Engineering; Member of the INBAR Task Force (International Network for the Promotion of Bamboo and Rattan); Member of the Latin American Network for the Sustainable Development Goals (RedLat ODS); Member of the Engineering Club.

**RILEM TC participation:** 208-HFC : High performance fibre reinforced cementitious composites; 225-SAP : Application of super absorbent polymers in concrete construction; 232-TDT : Test methods and design of textile reinforced concrete; 240-FDS : A framework for durability design of fibre-reinforced strain-hardening cement-based composites (SHCC); 254-CMS : Thermal cracking of massive concrete structures; 261-CCF : Creep behavior in Cracked Sections of Fiber Reinforced Concrete; 270-CIM : Benchmarking Chloride Ingress Models on Real-life Case Studies: Theory and Practice; 273-RAC : Structural behaviour and innovation of recycled aggregate concrete; 275-HDB : Hygrothermal behaviour and Durability of Bio-aggregate based building materials; 290-IMC : Durability of Inorganic Matrix Composites used for Strengthening of Masonry Constructions; 291-AMC : Use of Agro-Based Materials as Cementitious Additions in Concrete and Cement-Based Materials; 299-TES : Thermal energy storage in cementitious composites; MCB : Mechanical Characterisation of Bamboo; 260-RSC : Recommendations for use of superabsorbent polymers in concrete construction.