

CAROLINA TOBÓN RAMÍREZ

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PROFESIONAL PROFILE	
<p>Chemical engineer, master degree in Environment and Development and PhD candidate of the Geography doctorate program at National University of Colombia. With experience in research and projects related with technical assistance, training, and transfer of knowledge of cleaner production in industrial processes and integral water management. Experience in coordination and research of environmental and water management processes with communities in inter- transdisciplinary teams. The main research interests are environmental topics understood as integral interactions human-nature or ecosystem-culture-territory, social and territorial metabolism, and collective water management. With skills for the work in transdisciplinary research teams and for the analysis of processes and its effects in the natural system.</p>	
ACADEMIC AND COMPLEMENTARY FORMATION	
2003–2007. Chemical Engineer	Graduation 2008 March 11. Thesis: Comparative study of three groups of chemical inputs in a tannery of Villapinzón, Cundinamarca Department. Director: Leonardo Emilio Calle. Department of Chemical Engineering. National University of Colombia.
2011–2013. Master Program in Environment and Development.	Graduation 2014 May 2. Thesis: Social metabolism for the sustainable management of natural resources. Water in the upper basin of the Bogota river. Mention of merit. Director: Nohra León Rodríguez. Environmental Studies Institute. National University of Colombia.
2011. Short Course in Decentralized Water Supply and Sanitation.	4 – 22 July. UNESCO-IHE. Delft The Netherlands. (Nuffic Grantee).
2015. Refresher course in Integrated River Basin Management under climate change	31 August – 5 September. UNESCO-IHE. Bogotá. (Nuffic Grantee).
2016– in process. Doctorate program in Geography.	Candidate from October 2017. Human Sciences Faculty. Geography Department. Thesis: Social metabolism, sustainability, and territory in the Bogota River.
ACADEMIC EXPERIENCE	
08.2006 – 05.2007 Student assistant	Research Center of Environmental Engineering – Andes University, Administrative Department of Science, Technology and Innovation (Colciencias) – National University of Colombia – Javeriana University. Comparative study of the effects of two transport systems in air quality, respiratory health, physical activity, and life quality in children in Bogota city.
02.2007 – 02.2011 Research assistant	UNESCO-IHE Institute for water education. Environmental Studies Institute (IDEA). National University of Colombia. Funded by Sixth Framework Programme of European Union. SWITCH – Sustainable Water Management Improves Tomorrow’s Cities Health.
08.2012 - 12.2012 Lecturer	Central University. Environmental Engineering Department. Course: Transport phenomena.
12.2012 – 12.2013 Research assistant	History Department. National University of Colombia. Funded by is funded by the Social Sciences and Humanities Research Council of Canada. Sustainable Farm Systems. Long-term socio-ecological metabolism in western agriculture. Research Line: Environmental History.
02.2017 – 08.2021 Teaching assistant	Geography Department. Human Science Faculty. National University of Colombia. Course: Introduction to the scientific work in Geography.
09.2016 – 07.2018	Geography, Civil Engineering and Biology Departments. National University of Colombia. Funded by Solidarity Extension Program 2016. Social innovation for peace.

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Research assistant and fieldwork coordinator	Extension and Research Division. National University of Colombia. MANOS A LA CUENCA (Hands in the Basin): Social laboratory for the integrated management of water and territory in Suesca, Cundinamarca.
PROFESSIONAL EXPERIENCE	
03.2009 – 06.2009 Consultant	Ozone Technical Unit. Ministry of Environment, Housing and Territorial Development – United Nations Development Program. Collection of information for the preparation of Hydrofluorocarbons Phase Out Management Plan (HPMP) in the refrigeration and air conditioning sectors for the city of Bogotá.
10.2013 – 04.2014 Consultant	Institute of Environmental Studies (IDEA) - Environmental Regional Authority (CAR). Strategic planning for the water efficient use and saving in the CAR region.
04.2014 – 12.2014 Consultant	Cundinamarca Government- Center for Development Studies of National University of Colombia. Support to the decontamination of Bogotá River in the tannery sector of Villapinzón and Chocontá.
10.2015 – 12.2015 Workshop's coordinator	Institute for Hydrology, Meteorology and Environmental Studies (IDEAM by the Spanish name) – Engineering Faculty, National University of Colombia. Update of the National Program of Water monitoring and improvements to the information system of water resources. (October to December)
08.2015 – 03.2016 Consultant	Ministry of Environment and Sustainable Development – IDEA. Handbook for the structuring of investment projects in environment and sustainable development funded by public resources. (August to December)
SCIENTIFIC EVENTS PARTICIPATION	
2007. September 26 - 28. Speaker	X International Seminary of Environment and Sustainable Development. Bucaramanga, Colombia.
2009. November 9 - 13. Speaker	WATER 2009. Integrated water management and climate change. Cali. Colombia.
2010. May 20 - 23. Speaker	5th Annual International Symposium on Environment. Athens, Greece.
2010. April 12 - 13. Participant	First practical workshop for researchers and administrative personnel on Seventh Framework Programme. Javeriana University and Colciencias. Bogotá, Colombia
2010. December 13 - 17. Speaker and note taker	Sustainable Water Management in Cities: Engaging Stakeholders for Effective change and action. United Nations. Water for life decade (2005-2015). Zaragoza, Spain.
2011. November 15 - 18. Speaker	WATER 2011. Ecosystems and Society. Visions, limits, and applications of ecosystem services in a changing world. Cali. Colombia.
2012. October 4 - 5. Participant	VI National Forum of Water, Páramos and Mining. Central University. Engineering Faculty. Bogotá, Colombia
2013. January 28-29. Participant	Seminary “Theory and methodology of Social Metabolism. An introduction. Agroecosystems History Laboratory. Pablo de Olavide University. Sevilla, España.
2013. August. Poster presentation.	Conference of the European Society of Environmental History (ESEH). Circulating Nature. Water-Food-Energy. Munich, Germany.
2015. March 19. Participant	Third International Seminary of Water footprint. Swiss Embassy – Swiss Agency for Development and Cooperation - National Center of Cleaner Production. Medellín, Colombia.
2015. October 21-23. Speaker	Second National Congress in Environmental Sciences. Technological University of Pereira. Pereira, Colombia.
2016. November 1-4. Speaker	Seventh Ibero-American Congress of Territorial and Environmental Studies
2018. June 9-14. Speaker	Right Livelihood College (RLC) Workshop on “Policy, law and practice: ensuring full rights for the most marginalized citizens”. Bonn, Germany.

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2018. August 29-31. Speaker	First Meeting in Territories, Learnings and Cyberspaces. To remain with crossed hands in front of the crisis of our planet? Bogotá, Colombia
2019. April 8 – 12. Speaker	Second Congress of the Andean Society of Ecological Economics. Environmental Justice and Development Alternatives. Contributions of Ecological Economics and Political Ecology. Lima, Perú.
2021. October 20. Speaker	ZEFa Colloquium. Social Metabolism, Sustainability and Territory in Bogota River.
2022. April 14 th . Speaker.	ZEF Public Lecture. Participatory monitoring of biodiversity loss in Colombia: Alternatives for understanding and resolving environmental conflicts (ColPaMon) In collaboration with Priv Doz Eva Youkhana.
RESEARCH GROUPS	
2006	Air quality. Universidad Nacional de Colombia.
Since 2007	Environmental Studies Institute. Universidad Nacional de Colombia.
Since 2012	History, environment and policy. History. Universidad Nacional de Colombia
Since 2016	Sustainable Territorial Development. Geography. Universidad Nacional de Colombia.
AWARDS	
2011. July 4 – 22	Grantee of Nuffic (Netherlands Organisation for international cooperation in higher education). Short Course in Decentralized Water Supply and Sanitation. UNESCO-IHE. Delft The Netherlands.
2015. 31 August – September 5	Grantee of Nuffic (Netherlands Organisation for international cooperation in higher education). Refresher Course on Integrated River Basin Management Under Climate Change. UNESCO-IHE. Bogotá, Colombia.
2012-2013	Grantee of Permanent Research Call Jesús Antonio Bejarano. Faculty of Economic Sciences. National University of Colombia.
2014	Mention of merit in master thesis.
2016	Better admission score to postgraduate program.
2016 - 2019	Better accumulated average in doctoral program.
2017 - 2021	Grantee of Teaching Assistant. Geography Department.
2018 -2020	Grantee of the Bilateral Graduate School - Doctoral Studies Support Program (DSSP) for Environmental Peacebuilding and Development in Colombia. Center for Development Research (ZEF) – Environmental Studies Institute (IDEA). National University of Colombia. Funded by German Academic Exchange Service (DAAD) and the Federal Ministry for Economic Cooperation and Development (BMZ).
2021	Grantee of DAAD -Long Research Stay. Center for Development Research (ZEF) University of Bonn.
2022	Grantee. Guest Researcher. Center for Development Research University of Bonn. Department of Political and Cultural Change.
LANGUAGES	
Spanish: Native language English: IELTS - CEFR Level B2 German: Basic (no certificate)	