



Universidad del
Rosario
UR Global

Researchers Profile

MANAGEMENT

JULIAN D. CORTES

School of Management

Research group name: Management Science

Research work area: Approximately 9 million scientific articles are published every year, forming a vast ocean of knowledge. But how can we truly measure the depth and breadth of this knowledge? What is the process of creating these items and the teams that contribute to their production? How diverse are these teams in terms of their backgrounds and perspectives? Our project aims to shed light on these issues and reveal the intricate web of science, technology and innovation. We will explore the impact and structure of this knowledge production, examining the actors involved at various levels, whether within organisations, regions or even entire countries.

Email: julian.cortess@urosario.edu.co

Profile of the incoming international student: Undergraduate (last year), Master or PhD programs

Language required: English and Spanish

Type of stay: In person or virtual

LIZETH FERNANDA SERRANO CÁRDENAS

School of Management

Research group name: Management Science

Research work area: Strategic Innovation, Social Entrepreneurship, Public Innovation, Social Innovation, Knowledge Management, and Project Management integrating agile methods.

Email: lizeth.serrano@urosario.edu.co

Profile of the incoming international student: Undergraduate or Master programs

Language required: English and Spanish

Type of stay: In person or virtual

JAVIER LEONARDO GONZÁLEZ RODRÍGUEZ

School of Management

Research group name: Management Science

Research work area: Economics and administration applied to health services.

Email: javier.gonzalez@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English and Spanish

Type of stay: In person or virtual

AGLAYA BATZ LIÑEIRO

School of Management

Research group name: Research Group in Leadership and Management

Research work area: Innovation and entrepreneurship: More specifically, research on innovation spaces, necessity entrepreneurship, entrepreneurship in Latin America, and entrepreneurship and innovation ecosystems in higher education institutions

Email: aglaya.batz@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English and Spanish

Type of stay: In person

CLARA INÉS PARDO MARTÍNEZ

School of Management

Research group name: Research Group in Leadership and Management

Research work area: Sustainability, energy, and climate change

Email: clara.pardo@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English and Spanish

Type of stay: In person or virtual

SCIENCE AND ENGINEERING

MARIO FERNANDO JIMÉNEZ HERNÁNDEZ

School of Science and Engineering

Research group name: Technology, Engineering, Science and Mathematics - TICMA

Research work area: Human-robot interaction, assistive and rehabilitation robotics, social robotics and mobile robotics.

Email: mariof.jimenez@urosario.edu.co

Profile of the incoming international student: Undergraduate or Master programs

Language required: English and Spanish

Type of stay: In person or virtual

OCTAVIO ALEJANDRO CASTAÑEDA URIBE

School of Science and Engineering

Research group name: Technology, Engineering, Science and Mathematics - TICMA

Research work area: Nanotechnology

Email: octavio.castaneda@urosario.edu.co

Profile of the incoming international student: Undergraduate or Master programs

Language required: English and Spanish

Type of stay: In person or virtual

LUIS EDUARDO SEIJAS RUIZ

School of Science and Engineering

Research group name: Technology, Engineering, Science and Mathematics - TICMA

Research work area: Computational Chemistry, Density Functional Theory (DFT) and Physical Chemistry

Email: luis.seijas@urosario.edu.co

Profile of the incoming international student: Master programs

Language required: English and Spanish

Type of stay: In person or virtual

EDGAR JOSÉ ANDRADE LOTERO

School of Science and Engineering

Research group name: Technology, Engineering, Science and Mathematics – TICMA

Research work area: Semantic Parsing, Knowledge representation and Natural Language Processing

Email: edgar.andrade@urosario.edu.co

Profile of the incoming international student: Undergraduate program

Language required: English and Spanish

Type of stay: In person or virtual

DAVID FELIPE GONZALEZ RODRIGUEZ

School of Science and Engineering

Research group name: Additive Manufacturing

Research work area: Additive Manufacturing, Smart materials, Soft actuators, Product Design and 3D Modeling.

Email: davidfeli.gonzalez@urosario.edu.co

Profile of the incoming international student: Undergraduate or Master programs

Language required: English and Spanish

Type of stay: In person or virtual

EDWIN ALBERTO CADENA RUEDA

School of Science and Engineering

Research group name: Traditional and Molecular Neotropical Paleontology.

Research work area: Paleontology and vertebrates

Email: edwin.cadena@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English and Spanish

Type of stay: In person

LAW

MANUEL ALBERTO RESTREPO MEDINA

Faculty of Law

Research group name: Public Law

Research work area: Administrative law, public law and fiscal control.

Email: manuel.restrepo@urosario.edu.co

Profile of the incoming international student: PhD programs

Language required: English and Spanish

Type of stay: In person

WALTER ARÉVALO RAMÍREZ

Faculty of Law

Research group name: International Law

Research work area: International Courts and Tribunals – Open

Email: walter.arevalo@urosario.edu.co

Profile of the incoming international student: Undergraduate, Master or PhD programs

Language required: English and Spanish

Type of stay: In person

ENRIQUE ALBERTO PRIETO RIOS

Faculty of Law

Research group name: International Law

Research work area: International investment law, business and human rights

Email: enrique.prieto@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English and Spanish

NICOLA CLERICI

School of Science and Engineering

Research group name: Functional and Ecosystem Ecology

Research work area: Geospatial Ecology, Remote Sensing and Ecosystem Services.

Email: nicola.clerici@urosario.edu.co

Profile of the incoming international student: Master programs

Language required: English

Type of stay: In person

ADRIANA MALDONADO CHAPARRO

School of Science and Engineering

Research group name: EFE

Research work area: Behavioral Ecology

Email: adriana.maldonado@urosario.edu.co

Profile of the incoming international student: PhD program

Language required: English and Spanish

Type of stay: In person

JUAN DAVID RAMIREZ GONZALEZ

School of Science and Engineering

Research group name: Microbiological Research Group (GIMUR)

Research work area: Tropical diseases, such as Chagas disease, leishmaniasis, malaria, and arbovirus infections, pose significant public health challenges in many regions of the world, particularly in tropical and subtropical areas. These diseases are often transmitted by vectors such as triatomines (Chagas disease), sandflies (leishmaniasis), mosquitoes of the Anopheles genus (malaria), and Aedes mosquitoes (arboviruses like dengue, Zika, and chikungunya). Understanding the complex interactions between these vectors and their virome (the collection of viruses present in an organism) is crucial for developing effective strategies for disease prevention and control.

Email: juand.ramirez@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English

Type of stay: In person

BENJAMIN QUESADA

School of Science and Engineering

Research group name: Interactions Climate-Ecosystems (ICE)

Research work area: Colombia, a megadiverse country, is extremely vulnerable to the effects of climate change: water scarcity, changes in floods and droughts, increases in heat waves, rising sea levels, reduced agricultural yields and biodiversity, glacial melting, among others. However, in Colombia, there has been no systematic evaluation of what these teachers know about climate change, how they perceive it, how they teach it and what problems they see surrounding the teaching of this subject. For the first time, a large semi-structured survey of more than 1100 teachers from all over the country is available, together with socio-demographic data. The student's work, accompanied and guided by a team of experts (educational science, statistician, climatologist), will consist of carrying out diagnostics to find out (1) What does teachers' knowledge and perception of climate change depend on, (2) How much and how do they teach climate change, (3) How does it compare with existing literature (teachers in other countries, the rest of the population), and (4) How does it compare with the existing literature (teachers in other countries, the rest of the population)?

Email: benjamin.quesada@urosario.edu.co

Profile of the incoming international student: Master program

Language required: Spanish

Type of stay: In person

MEDICINE AND HEALTH SCIENCES

ELLY ALEJANDRA MORROS GONZÁLEZ

School of Medicine and Health Sciences

Research group name: Rosarista Institute for the Study of Aging and Longevity (IREEL)

Research work area: Body composition in elderly.

Email: elly.morros@urosario.edu.co

Profile of the incoming international student: Undergraduate or Master programs

Language required: English and Spanish

Type of stay: In person or virtual

ALVARO DAVID ORJUELA CAÑÓN

School of Medicine and Health Sciences

Research group name: Artificial Life & Intelligence Research Group

Research work area: The understanding of the complexity of interactions within the human body, through the analysis of physiological networks, is important to understand its dynamics. The quantification of these interactions corresponds to the most important challenge because they open possibilities for clinical applications, where the study of diseases related to the networks involved (brain-heart), understanding the functioning of the mind and the cardiovascular system in a decision-making process, where new useful tools can be proposed that support the diagnosis or propose more specific treatments that can be measured.

Email: alvaro.orjuela@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English and Spanish

Type of stay: In person or virtual

RODRIGO ESTEBAN GONZÁLEZ REYES

School of Medicine and Health Sciences

Research group name: Neuroscience group from Universidad del Rosario (NeURos)

Research work area: Basic and traslational neuroscience research with particular interest in glial cells, neurodegeneration and neuroinflammation.

Email: rodrigo.gonzalez@urosario.edu.co

Profile of the incoming international student: Undergraduate or Master programs

Language required: English and Spanish

Type of stay: In person or virtual

DIEGO A. GARCÍA RAMÍREZ

School of Human Sciences

Research group name: Applied Ethics, Work and Social Change

Research work area: The project aims to analyze the structural crisis that journalism and the news industry are going through around the world, to do so, it will analyze the business model of the news media, the working conditions of journalists, as well as the impact of digital platforms (Facebook, Instagram, YouTube, Tik Tok, others) about the media. The project seeks not only to understand the phenomenon but also to contribute to the search for collective solutions that allow the revitalization of journalism and its importance for democracy and society.

Email: diegoalo.garcia@urosario.edu.co

Profile of the incoming international student: Undergraduate or Master programs

Language required: English and Spanish

Type of stay: In person or virtual

PEDRO ANTONIO AYA PARRA

School of Medicine and Health Sciences

Research group name: Gibiome

Research work area: Clinical engineering and Bioinstrumentation

Email: pedro.aya@urosario.edu.co

Profile of the incoming international student: Master studies in Biomedical Engineering

Language required: English and Spanish

Type of stay: In person or virtual

JUAN ALBERTO CASTILLO MARTINEZ

School of Medicine and Health Sciences

Research group name: GiSCYT

Research work area: The use of low-cost exoskeletons in physically demanding work situations of workers in a non-industrialized country. Several versions have been developed and analyzed with the aid of inertial-based monitoring technologies, EMG. Devices have been developed in the construction industry, kinematics of seated posture in ultra-heavy vehicle drivers and prolonged bipedal posture maintenance in the manufacturing industry. here is an example of one of these studies. We Design, validate and verify an ergonomic and adjustable devices for workers, due to the increase of musculoskeletal pathologies. Our devices will provide support and comfort without interfering with the task, with the objective of reducing the risk of musculoskeletal injuries, improving the health, and safety of workers.

Email: juan.castillom@urosario.edu.co

Profile of the incoming international student: Master or PhD programs

Language required: English and Spanish

Type of stay: In person or virtual

ANGELA MARTÍNEZ

School of Medicine and Health Sciences

Research group name: Rehabilitation Science

Research work area: Automated discourse analysis, discourse analysis and mental illness, rehabilitation and differential diagnosis of people with dementia, and rehabilitation of the elderly population.

Email: angela.martinez@urosario.edu.co

Profile of the incoming international student: Undergraduate, Master or PhD programs

Language required: English

Type of stay: In person or virtual

ANGELA MARÍA PINZÓN RONDÓN

School of Medicine and Health Sciences

Research group name: Global Health

Research work area: Global health, planetary health, Indigenous health, Indigenous mental health, and nutrition

Email: angela.pinzon@urosario.edu.co

Profile of the incoming international student: Undergraduate, Master or PhD programs

Language required: English and Spanish

Type of stay: In person or virtual

CREATION

FERNANDO SIERRA RODRÍGUEZ

Faculty of Creation

Research group name: Creative Studies Group

Research work area: Scientific origami: folding and pleating across different materials for diverse applications

Email: fernando.sierra@urosario.edu.co

Profile of the incoming international student: Undergraduate program

Language required: English

ALEJANDRO PIÑOL ARÉVALO

Faculty of Creation

Research group name: Creative Studies Group

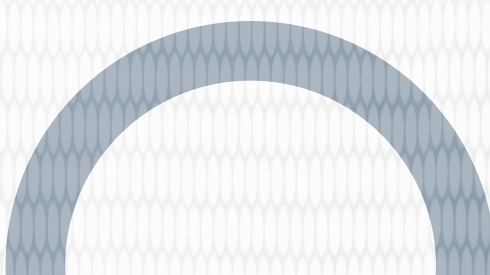
Research work area: Drawing Latin American territories

Email: alejandro.pinol@urosario.edu.co

Profile of the incoming international student: Master programs

Language required: English

Type of stay: In person or virtual



MICHAEL ANDRÉS FORERO PARRA

Faculty of Creation

Research group name: Creative Studies Group

Research work area: The Creative Studies research group at the Universidad del Rosario, affiliated with the Faculty of Creation, is an interdisciplinary research and creation collective that promotes academic projects centered on creative practices, artisanal knowledge, traditional crafts, and cultural expressions in Colombia. As such, students interested in the arts, design, architecture, crafts, musical theater, and similar fields may find our group to be a space for fruitful dialogue. In addition, FaCrea has several research groups that incorporate specific approaches, such as queer/trans perspectives, performance art, and design fiction.

Email: michael.forero@urosario.edu.co

Profile of the incoming international student: Undergraduate, Master or PhD programs

Language required: English and Spanish

Type of stay: In person