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FOREWORD

A KEY TO UNDERSTAND THE WORLD: THE KNOWLEDGE PUBLISHED BY LATIN AMERICAN AND CARIBBEAN UNIVERSITY PRESSES

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We are very happy to present our catalog to colleagues from different countries and other languages. We are sure that through the translation of books we foster the connection with the knowledge produced in different parts of the world. In particular, we are interested in promoting the knowledge offered by university presses in Latin America and the Caribbean, which represents not only our particular interests but also those that we share with many other people.

We offer academic books, as well as fiction and non-fiction books. On this occasion we have made a selection of books about environment. We have two reasons for offering a thematic catalog this year: to join the worldwide concern for this topic so important for all of us and to show that the scientific knowledge produced in Spanish and Portuguese is relevant to find collective solutions to the problems that concern us all. This catalog brings together 63 titles from 30 university publishers from 8 countries.

We invite you to discover our books through our catalog and contact the EULAC rights manager or the director of the University Press of your interest. We wish you an excellent Frankfurt Book Fair.

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Abya–Yala is a publishing project of international collective nature at the service of indigenous peoples and people of African descent in the Americas. With more than 40 years of uninterrupted presence, Abya–Yala is considered one of the largest producers of social sciences in Latin America and its editorial line is related to the following areas: 1. Indigenous peoples, nationalities, people of African descent, and emerging identities 2. Development and social participation. 3. Public policies and human rights. 4. University teaching texts in social sciences elaborated from the perspective of interculturality. The publishing house is offered to academic institutions and authors of social sciences as a possibility of diffusion in Latin America, at the same time that it opens its doors to indigenous authors and writers at a time when their writings acquire a very important political meaning. Abya–Yala reaffirms its willingness to serve indigenous peoples and people of African descent, organizations, and social movements, specialists, academics, and independent authors, who see in us the opportunity to return to the community the results of their research and contributions. Our purposes are: 1. To rescue, document, and disseminate the cultural values of indigenous peoples. 2. To promote academic initiatives that enrich the debate on the indigenous issue and its rights through publications, documentation centers, conferences, symposiums, and university and academic centers. 3. The Abya–Yala publishing house is an organization that works to strengthen diversity and culture. 4. To position itself in Ecuadorian and Latin American society as a leading organization in issues related to Social Sciences. 5. To position itself in the market as a pioneer organization in the work of book production and the use of new technologies. 6. To promote information networks as spaces to increase the dissemination of their work and, therefore, diversity. 7. To promote academic initiatives that enrich the debate on the indigenous issue and their rights, through publications, documentation centers, conferences, pound launches, fairs, symposiums at university and academic centers. 8. To establish contacts with NGOs and with different indigenous organizations to spread their ideas. More information in www.abyayala.org
The conservation, access, distribution, use and final disposal of water are constant concerns, especially in rural areas where indigenous and peasant communities have implemented their own forms of management and handling. The text shows how water generates power in community territories; describes how communities implement strategies of conservation of water source; examines water as a fundamental axis for community development; identifies the implementation of collective–community actions against neoliberalism and finally analyzes the problem of wastewater management.

Water for People collects seven experiences from different sectors of the country that contribute to the analysis of community water management.

**COORDINATOR**

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This book reveals the intimate connections between water, megaprojects and power relations on the Ecuadorian coast. With great intellectual capacity and investigative precision, the author examines the design and implementation processes of three mega–works of water. Beyond removing the mask of bureaucratic and neoliberal power games, the empirical and conceptual search lets us see the subtle struggles and strategies of social resistance. Marginalized families and affected communities demand environmental justice and a dignified life. This magnificent book is of great interest to teachers, researchers, and students of political ecology, critical geography, development policy, and rural studies.

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POSTDEVELOPMENT · CONTEXTS, CONTRADITIONS, FUTURES

POSDESARROLLO · CONTEXTOS, CONTRADICCIONES, FUTUROS

This book takes up the theme of development in Latin America. It enriches the debate unleashed since the late 1940s, and especially includes the recent and growing criticisms of development with an ideological discourse of domination of capitalism. The accumulated collective failures, learnings and reflections, which prompted and continue promoting social mobilizations, open the door for new approaches. It is time to recover the important centennial experiences of native peoples on the common good or good living, reciprocity and the harmonious relationship between society and nature. In the context of so many pandemics unleashed by the logic of capitalist accumulation, this book—with profound and provocative texts—presents various pertinent approaches to the current situation. For its contribution to looking at the future of the world, for its visions on potentialities and contradictions of this collective construction, and for its powerful elements destined to construct other futures oriented by horizons of dignified life for human beings and non–human beings.

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He was born in Quito on July 21, 1948. He studied in the Federal Republic of Germany (FRG). From 1977 to 1979 he studied Economics with a specialization in Energy Economics and from 1974 to 1976, Economic Geography at the University of Cologne. He also studied Industrial Economics and Business Administration with specializations in Marketing and Foreign Trade at the Cologne University for Higher Studies (Fachhochschule Köln), from 1971 to 1974. Between 1970 and 1974 he studied German and Economics, and courses and seminars of Philosophy and Political Science at the University of Bonn (RFA).

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BLUE FORESTS: WETLANDS AT RISK. A LATIN AMERICAN VISION

BOSQUES AZULES: HUMEDALES EN RIESGO. UNA VISIÓN LATINOAMERICANA

The maritime or fluvial Blue Forests wetlands, estuaries, mangroves, those spaces where the essential thing is the water that adjective them, constitute a new hope and strategy in the face of climate change and another auspicious possibility of regeneration, recovery and permanence of a social relationship and individual more harmonious, more respectful, poetic and ethically committed to the vital environment that shelters us and is big wealth and beauty.

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JAMBIC YUYU YURAGUNA–PLANTS THAT HEAL–COTOPAXI PROVINCE
JAMBIC YUYU YURAGUNA–PLANTAS QUE CURAN–TINGO PUCARA– PROVINCIA DE COTOPAXI

Bilingual book (Kichwa / Quichua–Spanish) that summarizes the knowledge of the community of Tingo Pucará (Cotopaxi province, Ecuador), about medicinal plants, their uses, prescriptions and proscriptions, the types of diseases and the pursuit of health. It is the result of many mingas (group work) of continuous exchanges of knowledge and knowledge between speakers and non speakers of kichwa language, fed by the wise voices of mama and taytas; all committed to finding new paths that reinforce ancestral languages and cultures.

MARLEEN HABOUD BUCHAMAR
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Biodiversity is a term that was invented by joining two words, biology and diversity, in order to describe and explain the quantity and variety of living organisms that inhabit our planet and their relations. This book, aimed at a young audience, is structured around the following questions: what is biodiversity? Why is it important? How we humans influence its balance? And the main thing: what can we do to take care of the future of living beings on planet Earth?

FRANCISCO BOZINOVIC
Bachelor of Science and D.Sc. Post–Doctorate at Carnegie Institution, USA. He work as a professor of Biological Sciences at the Pontificia Universidad Católica de Chile. He belongs to ten professional societies and has participated in numerous national and international research projects. He is the author of more than 200 scientific articles and has been a visiting professor at Universities in Chile and abroad.

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The book Monitoring Programs for the Coastal Marine Environment: Experimental Designs, Samples, Analysis Methods and Associated Statistics is the first of its kind in Chile. Fifteen chapters analyze aspects, both disciplinary and interdisciplinary, related to coastal marine monitoring programs that are part of Chilean environmental legislation. In each one, aspects of the legislative environmental history of the marine environment, regulations of the national authority, audits, program design, sampling methodologies, marine organisms, analysis of inorganic elements and organic substances, coastal oceanography and associated statistics are examined. All of this supported by an extensive review of national and international literature. Thirty Chilean researchers from eight universities, state and private organizations, and two Spanish researchers participate in this publication, all of them with extensive experience in academic and professional research in the design, implementation and evaluation of monitoring programs of the coastal marine environment.

EDITORS
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ANDRÉS CAMAÑO

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Social behavior has emphasized the use of few laboratory species, as well as wild species from different regions of Chile and other neighboring regions. This book explores the studies carried out in lesser–known species, such as some vertebrates and invertebrates native to Chile, which have a high potential to contribute directly to an integrative development of the existing theory. The chapters of this book address the diversity of elements of social behavior examined and how these elements differ or resemble those of other species already studied. In addition, until now dispersed information is now delivered in an organized manner on various attributes of the social behavior of native Chilean species. The need and importance of further developing the scientific study of social behavior in native species is emphasized. This volume seeks to educate a non–specialized public about the uniqueness and scientific value of the social behavior that characterizes the native fauna of this country. In addition, it is expected to encourage students and researchers from related disciplines to consider local social models and explore new bodies of study to address novel and integrative problems.

**LUIS A. EBENSPERGER**

He started his career after obtaining his degree in Biological Sciences from the Pontificia Universidad Católica de Chile. He completed his postgraduate studies at University of Chile, where he obtained his master's degree in Ecology, and at Boston University, where he obtained his doctorate.

**ANTONIETA LABRA**

She obtained a bachelor's degree in Biological Sciences from the Pontificia Universidad Católica de Chile, then completed her postgraduate studies at University of Chile, where she obtained her master's degree in Zoology, and her doctorate in Sciences with a mention in Biology. Initially, her research was focused on the eco-physiology of lizards, particularly in relation to thermoregulation. Later she focused on animal communication, especially in lizards of the genus Liolaemus, highlighting the contributions in the understanding of chemical communication in these lizards.

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The UNAULA Editorial Fund fosters and develops editorial projects whose mission is to support and strengthen the intellectual, scientific and literary production generated within the University. Besides generating material for the exercise of pluralism and tolerance, the decision to publish a paper follows clearly established criteria of academic quality, pertinence and originality. Its main goal is to incentivize intellectual production of the university’s identity, the registration and disclosure of research findings, and progress, to serve specific teaching needs and build bibliographic heritage aimed to contribute to a regional identity. Every publication proposal is discussed and approved by the Editorial Council, integrated by representatives of the Chancellor’s Office, Administrative and Academic Vice Chancellors, research, teaching and extension. The Editorial Council is the organism in charge of approving the editorial and administrative policies of the Editorial Fund. Its production is highly visible among national peers, thanks to the permanent dissemination of its General Catalogue, and the regularization of the distribution channels.
Public administration is based on the principles established to govern the administrative function and must be at the service of the general interest. For this reason, it is called upon to respond to the needs demanded by the social, political, economic and cultural context, within the frameworks established by the Constitution and the law. The administration, through its servants, must promote changes that strengthen its structure in order to respond to the challenges of the context in accordance with the mandates of the Political Charter.

NATALY VARGAS OSSA

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The Hidroituango Hydroelectric Project is the most complex infrastructure work, due to its nature and size, undertaken in Colombia. The complexity of managing the environmental and social effects of the work is not insignificant, and its management has been technically and politically extremely difficult. Engineer López Agudelo gives us a panoramic vision of what happened from the first evaluations of the potential of the Cauca River by the integral company in the seventies until today.

**JOSÉ HILARIO LÓPEZ**
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The book Lights and Shadows in Accounting Reports on Environment and Culture arises from concern about the way in which territorial reports are produced and legitimized. This is a recurring situation in the municipalities under study, temporary or permanent places, researchers. By understanding accounting as a space for communication between different social agents and facing the complexity of both cultural and environmental life, it is necessary to review the way in which results are communicated and the aspects that the reality seen by the community in the territories, require their incorporation to guarantee the accounting claim of faithful representation.

**LINA MARCELA SÁNCHEZ**

Studied doctoral studies in Management Administration with the Benito Juárez University of Mexico. She has a Master’s degree in Sustainable Development and Environment from the University of Manizales and she is a professional in Public Accounting from the University of Quindío. Trainer of Trainers in Niif by the Technical Council of Public Accounting Also in Three-Dimensional Theory of Accounting by the Inter-American Accounting Association (AIC) and the Research Network in economic, administrative and accounting sciences (REDICEAC). Postgraduate professor in international financial information standards (Niif) at various Colombian universities. Research professor at the UNAULA Latin American Autonomous University Plant; Former Editor of the Vision Contable Magazine; Associate Researcher at Min Ciencias in the social sciences area; author and co–author of academic and research texts.

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ARGENTINA

UNGS Press is the National University of General Sarmiento publishing house. Its catalog already has 500 titles ordered in thematic collections and series that aim to reach wide academic and general publics. Its titles are an expression of the university’s dialogue with society in order to intervene in the production of knowledge and culture. They are distributed in national and international bookstores and marketed through its website, too. Our challenge for the following years is to deepen our internationalization by welcoming first level authors and researchers from other countries, and to consolidate the distribution of our books (in print and digital forms) in the rest of the world and to strengthen a policy of co-publishing with educational institutions and publishers from other countries.
Is it possible to relate the city and the dictatorship? This book gathers stories about politics in the urban space of Buenos Aires and its metropolitan region carried out during the self-proclaimed National Reorganization Process (1976–1983). It analyzes issues such as green areas, circulation, garbage and, in general, land use planning. Policies intervene in the urban environment through a plan, a limit, a trace, under different types of conceptions of society. The “public cleaning, the ordering of the traffic and the beautification of the city” have connotations linked to institutional, economic and social interests. In fact, drastic measures of the state apparatus were installed in Buenos Aires and its region with the deployment of certain devices (linguistic, institutional and material) focused on the process of building the city. The book begins with an analysis of the context in which these projects related to urbanism and ecology enter the metropolitan political scene. Subsequent chapters address a multiplicity of experiences and conflicts that disrupt its implementation.

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Although Colombia can be represented as a stain on a map, this abstraction ultimately refers to a concrete space that has mountains, roads, cities, and a multitude of ecosystems, a space that can be either hot or cold, with air that can smell either like guava or like fumes. Fragmentos de historia ambiental colombiana includes eleven articles written by historians and geographers from Universidad de los Andes, who study how the natural world has shaped our history and unravel how our past is intertwined with that of the country’s rivers, soils, and forests. An emphasis on 20th century Bogotá reveals why its hills are covered with pine and eucalyptus trees or how the city’s formation over rivers and wetlands has generated forms of social organization. The book also takes us to Valle del Cauca, Cesar, and Atlántico to explore the costs of agricultural modernization, and to Amazonia, Chocó, and La Guajira to reconstruct the history of our forests, which in some cases are still standing while in others, they have disappeared. This book is a decisive contribution to a new field of history opening up in Colombia.

CLAUDIA MARÍA LEAL LEÓN
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GOVERNANCE AND MANAGEMENT OF SUSTAINABLE DEVELOPMENT
GOBERNANZA Y GERENCIA DEL DESARROLLO SOSTENIBLE

Since 2015, the challenges of sustainable development have acquired greater political relevance thanks to the adoption by almost every country in the world of the Sustainable Development Goals (SDGs) and the Paris Agreement. This conception of sustainable development incorporates the ecological limits of the planet into the discourse of development, which constitutes the essential difference between this and other dominant development approaches or theories on the global stage. This book clarifies the essential elements of sustainable development and brings the reader closer to a better understanding of the challenges that its search poses. Beyond the theoretical proposals and discourses on sustainable development, we ask ourselves how it is possible to address the socioenvironmental issues for the achievement of ODS in Latin America, not only from the design of public policies as usual, but from the governance and management of public, private, and third sector organizations. This compilation is intended to introduce the practice of sustainable development to students, researchers and managers of development programs, who seek to go beyond disciplinary approaches and want to address the complexity of this process.

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Colombia is home to coexisting models of regional, urban and rural water governance hierarchical schemes, open and closed decentralized or cogovernance models, network governance, collaborative and interactive governance, public-private and self-governance, with little capacity to transform the development trajectories, the conflicts and urban, agroindustrial, and extractive transformations that pose a risk for our water resources and territorial sustainability. There are also collective, interactive, self-organized, decentralized and open water governance processes, which reveal the progress and achievements in the conservation of water resources, and the generation of institutional capacities and collective action for the sustainability of the territories and the trajectory of development. Modos de gobernanza del agua y sostenibilidad presents the reader with the research results of various authors, developed during the last five years on topics and problems related to the modes of water governance and sustainability in Colombia, within the framework of the research line “Sustainability, environment and development” and courses on Institutions and Development given by the Interdisciplinary Center of Development Studies (CIDER) at Universidad de los Andes.

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Rural development and peacebuilding in Colombia have been highly prioritized by higher education institutions since the signing of the Peace Agreement between the National Government and the FARC–EP. This has resulted in the need to further analyze rural strategies that contribute towards a better life for the population of territories where armed conflict is coming to an end, whilst understanding the pressing uncertainty that this process implies; on the one hand, for the urgency of generating rapid and concrete responses to social justice and equity, and on the other, because fulfilling the agreement guarantees scenarios of non-repetition of the war in the country.

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The interdisciplinary collection Orinoquia and Amazonia Studies seeks to generate knowledge, foster academic discussion and assume alternative solutions to regional problems in the Orinoquia and Amazonia. If the Orinoquia and the Amazon are special territories due to their historical neglect and they constitute a unique region, they must have a special treatment that facilitates their development and promotes access to scientific knowledge and goods produced in the developed world with respect for the populations, ancestral and regional cultures. In this first volume there are works related to veterinary medicine and health research in this region. The themes are varied and must be assumed from a theoretical, methodological and procedural opening to reach an understanding of the phenomenon in its dimensions and in its contexts.

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Aquatic plants are the dominant plant group of the Middle Paraná river floodplain. Its communities are considered one of the most productive in the planet and fulfill important ecological functions in regional wetlands. Aquatic Plants of the Middle Parana River summarizes information on over than 120 plant species registered in a variety of floodplain habitats. It contains plant photos and illustrations, a brief description of each species, information about the habitats where aquatic plants commonly growth, main uses by human, and other data of interest. The book was organized to facilitate the identification of the species in field and can be useful for both specialists and students as well as for everyone interested in this fascinating group of plants.

BERENICE SCHNEIDER
Degree in Biodiversity and PhD in Biological Sciences by the National University of Littoral (UNL). Studies aquatic macrophytes of the Middle Paraná River floodplain in the National Institute of Limnology (INALI, CONICET–UNL) and tries to relate plant community’s attributes with features of the environment to test ecological concepts about biodiversity.

HERNÁN HADAD

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The Escazú Agreement is a treaty between states, a pact made from each state with their societies. It recognizes and presents three fundamental democratic rights: access to information, public participation in justice, and places equality in the centre of development, recognizing every person as a right holder and as a change agent for the advance towards development’s environmental sustainability. With the aim to guarantee, to the present and future generations, the rights to a healthy environment and to sustainable development, the Escazú Agreement is a palpable sign of our region commitment with a more equal, just and sustainable development.

EDITORS
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In a world of increscent complexity, the problems prevention becomes a priority, given that every day turns more expensive to revert the consequences of the procedures that deteriorates the environment we live in. The enforcement of the green chemistry principles enables to design production phases that are friendlier with the environment and becomes a tool for the improvement of the life quality for the people around these production centres. The logical sequence this book presents allows to reflect on the evolution of the decision making in big and small industrial plants, on big catastrophes that could have been avoided, on the impact that products and wastes have in the environment and on the paradigms changes related to the environmental problem. This production will be useful for chemistry and similar disciplines professionals and also for students of different careers related to those. Química verde. Enfoque sistémico constitutes an input to ontological, epistemological and axiological discussion of chemistry and his concrete applications.

ANA LAURA PINO

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Founded in 1993, Editora Fiocruz emerged from the need to make public and expand access to scientific knowledge in subjects regarding health topics, creating a space to give visibility to the results of research. Since its first publication, it has always aimed to disseminate books on public health, biological and biomedical sciences, clinical research, social and human sciences in health. Today, Editora Fiocruz has published more than 500 titles. These publications disseminate not only the academic production of Fiocruz, but also any study of importance and impact for health on a national and international level.
The book brings together specialists from different backgrounds—a biologist, an anthropologist and two communication professionals—for an overview of the Aedes aegypti mosquito. The work answers questions such as the particularities that make Aedes so present in our routine and the vector’s control and surveillance strategies. According to the four authors, the title offers the reader “a halfway between a running text and a glossary”, in addition to presenting a list of acronyms and technical terms. The five chapters are divided into topics—with short and objective titles—with specific approaches to Aedes.

**DENISE VALLE**  
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Droughts, floods, landslides, oil spills, dam failures and the Covid–19 pandemic. All of this is part of a set of disasters–caused by the most diverse factors–faced by the Brazilian population. The book expands the debates about these occurrences, addressing the disasters that have been part of the routine in several regions of the country for a long time, as well as more recent events, such as the case of the health emergency caused by the new coronavirus. In the work, biologists Luciana Londe and Vânia Rocha move through interactions between disasters and health, present and classify natural and technological threats, and discuss the challenges of collective health in these scenarios.

**LUCIANA R. LONDE**
Head researcher at the National Centre for Monitoring and Early Warning of Natural Disasters (Cemaden), an agency linked to the Ministry of Science, Technology and Innovation. She holds a Ph.D. in Remote Sensing from the National Institute for Space Research (Inpe)–with a split–site period at the University of Edinburgh, Scotland–and a Master in Agricultural Engineering from the State University of Campinas (Unicamp).

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The work presents, in accessible and objective form, the history and the most recent information from the scientific community about the Zika virus. Written by Ilana Löwy, historian of sciences and researcher at the French National Institute of Health and Medical Research (Inserm), the book shows, in four chapters, the many faces of a virus whose recent epidemic has become a huge challenge for professionals and public health managers in Brazil. Löwy discusses the first Zika epidemics outside the country until the first reports on the arrival of the disease in Northeast Brazil and its relation with cases of microcephaly, in addition to the actions of agencies such as the Ministry of Health and the World Health Organization (WHO). The enigmas about the disease, which has become a global phenomenon, are also raised, as well as the many variables and inequalities—economic, class, race and gender—that comprise the proliferation of the virus. The author dynamically addresses what she calls the rapid rise and fall of the Zika virus and the many questions and issues left.

**ILANA LÖWY**
Historian of Science and Medicine, doctor in Immunology. Senior researcher at the Center for Research in Medicine, Science, Health and Mental Health (Cermes3) in Paris and affiliated researcher at Casa de Oswaldo Cruz (Oswaldo Cruz Foundation).

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In this book, Francisco de Assis Mendonça and Mariana Andreotti Dias explain about the contemporary socio–environment issue and the concepts of sustainability and sustainable development to raise awareness of environment planning and quality of life. In addition, the authors encourage reflective thinking on the political dimension of the environmental issue, assessing the Convention on Biological Diversity, the United Nations Conference on Environment and Development, and the Agenda 21.

**FRANCISCO DE ASSIS MENDONÇA**

Holds a Ph.D. in Geography from the University of São Paulo (USP) and is full professor of the Department of Geography and the Interdisciplinary Postgraduate Program in Environment and Development at the Federal University of Paraná (UFPR). He is Level 1 researcher of the Brazilian National Council for Scientific and Technological Development (CNPq) since 2013, and dean of the Research and Postgraduate Studies at the UFPR.

**MARIANA ANDREOTTI DIAS**

She holds a Ph.D., a master’s degree and a bachelor’s degree in Geography from the UFPR. Primary school teacher, she has experience in the areas of health geography, anthropized soils linked to urban socio–environmental issues, environmental planning and management, geoprocessing and special education, within the scope of special educational needs. Her complementary training includes Urban Project Management, Environmental Impact Studies, Mechanical Practices for Water and Soil Conservation, Public Building and Sanitation Works.

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Contact: Lindsay Azambuja Da Silva Sperry,
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An ethical change is urgently needed to change the ecological course, and environmental education is fundamental. In this book, André Maciel Pelanda and Rodrigo Berté present resources to educators in the area, exploring important concepts about ecological preservation and specificities of School Agenda 21. The authors also provide activities for elementary and secondary education.

ANDRÉ MACIEL PELANDA
He holds a bachelor's degree in Biology from Pontifical Catholic University of Paraná (PUCPR), a specialization in Environmental Management and Sustainable Development from the UNINTER International University Centre and a master's degree in Governance and Sustainability from the Administration and Economy Superior Institute of Mercosul. He has experience in the field of ornithology, through species inventories and population studies using fog nets and banding. He currently holds a position in central tutoring at the technology courses of Environmental Management and Environmental Sanitation, both at the UNINTER.

RODRIGO BERTÉ
He holds a bachelor’s degree in Biological Sciences from the Federal University of Paraná (UFPR); specializations in Environmental Education, in Plant Cloning and in Urban and Rural Settlements; a Ph.D. in Environment and Development from the UFPR; and a postdoctoral in Education and Environmental Sciences from the National University of Distance Learning of Madrid (Spain). He has supervised more than 160 academic papers and more than 124 publications in scientific journals. He is president of the Community Council of CriminalExecution Agency at the judicial district Fazenda Rio Grande–Paraná.

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In this book, Francisco Castelhano explains the main theoretical foundations of Climate Science, problematizing the relation between the climate change observed in recent decades and the accelerated expansion of the urban environment across the planet. The author also develops a critical and detailed geographic analysis of the thermal, water and air quality problems that result from these changes.

**FRANCISCO CASTELHANO**

He holds a Ph.D. and a bachelor’s degree in Geography from the Federal University of Paraná (UFPR). He had an academic exchange at the Catholic University of Avila, in Spain, and was a member of the Laboclima, the UFPR Climatology Laboratory, from 2010 to 2019. In 2016, he was a visiting researcher at the Swedish Meteorological and Hydrological Institute, working with air pollutants modeling. He is currently a postdoctoral researcher at the Postgraduate Program in Geography from the Federal University of Sergipe (UFS), where he coordinates research in urban climate and air quality.

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The history of Leopoldianum University Press (Editora Universitária Leopoldianum) began in August 1974, with the release of the first volume of the Leopoldianum Journal of Studies and Communication, the first publication of its kind in Santos. Founded on August 20, 1987, the Catholic University of Santos publishing house has grown in importance and earned recognition in the Brazilian academic community. By the first half of 2019, it had published over 205 academic/scientific journals and books, and it has been publishing in a digital format since 2010. The Press’s main goal is to publish scientific reflections and productions by professionals from the Catholic University of Santos (UNISANTOS) and other institutions. With an emphasis on interdisciplinarity, the main areas include Communication, Arts, Management, Business, Law, Environment, Education, Health, Exact Sciences, Humanities, and Administration.
The work highlights discussions of paradiplomatic problems that undermine the perception of the legitimacy and effectiveness of environmental efforts, and explores the roles of local and subnational governments and their networks in the dynamics of global environmental governance.

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ENVIRONMENTAL PARADIPLOMACY—AGENDA 2030

This trilingual book was inspired by the universal and transformative characteristics of the 17 Sustainable Development Goals (SDGs) of the United Nations, which are very important for the development of public policies.

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GLOBAL GOVERNANCE: CHALLENGES AND COMPLEXITIES

GOVERNANÇA GLOBAL: DESAFIOS E COMPLEXIDADE

Book by the Global Governance and International Regimes Research Group, from the Stricto Sensu Postgraduate Course in Law at Catholic University of Santos. The book addresses important aspects of Law, treated from the perspective of governance and international regimes.

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The Editorial of the National University of Formosa was created, in 2000, to play a leading role in the production of pedagogical, academic and cultural contents at the University and its sociocultural context as well. Since 2018, a new stage of re–functionalization has begun given with the creation of a catalogue that presents two collections: A Scientific–Academic–Technological collection and a Collection regarding Education, Culture and Society. The titles offered, have previously been revised by an Academic Committee composed by researchers of category I and II of the National University of Formosa as well as other Universities.
Environmental contamination by agrochemicals due to agricultural activity is relevant due to its effects on human health, the environment, local economies, and food security. These effects cannot be separated from agriculture’s contribution to tax revenues or from the mechanisms for controlling the release of agrochemicals into the environment. There are two unavoidable perspectives in the study of the problems associated with chemical pollution: complexity in its multiple dimensions and environmental toxicology. In order to work on the subject from the perspective of complexity, the author draws on Juan Samaja’s Macrosemiotics Model, which highlights the multiplicity of visions, interests, and expectations that occur simultaneously. She analyses three major macrosemiotics, cognitive systems, or strata of being that are involved: Civil Society–Market, Political–State Society, and Communal Cultural. From the perspective of environmental toxicology, the book addresses the modes of contamination at the community level, as opposed to clinical or pharmacological, contents of which are better known. It also presents data on the effects of agrochemicals, inextricably associated with industrial agriculture, on the physical and social environment and on human health.

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This book was conceived to accompany the Environmental Project Assessment courses and, in general, the environmental impact studies that are required during the project formulation, evaluation and management processes. It can be used in undergraduate and graduate programs that have environmental subjects in their curricula.

MARÍA CECILIA HENAO ARANGO
Civil engineer from the School of Engineering of Antioquia, certified as a professional in project management (PMP, Project Management Professional) by the Project Management Institute. She holds a Master’s degree in Administration from the EAFIT University and a PhD in Economic and Administrative Sciences from the University for International Cooperation Mexico (UCIMÉXICO). She works at EAFIT University as a full–time professor in the Organization and Management Department in undergraduate, graduate and continuing education. In addition, she has served as an advisor in the areas of preparation, environmental evaluation and project management, as an engineer at INTEGRAL S. A., and as an undergraduate and graduate teacher in other higher education institutions.

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The Laboratory of the second semester of 2017 of the master’s degree in Urban and Environmental Processes focuses on the Negro river basin and in particular on the territorial strip associated with the central axis of the Negro and Pantanillo rivers between the urban area of the El Retiro municipalities and from Rionegro. The East of Antioquia has been viewed for several years as “the second floor of Medellín and the Metropolitan Area” due to the strong pressure generated by the expansion processes of the metropolis towards this territory. The Negro and Pantanillo rivers are very important sources of water for the municipalities of Rionegro, El Retiro and the entire region. They constitute a hidden treasure threatened by the increasing privatization of their margins, the high rates of suburbanization and deforestation, and the conflicts of use with mining. A challenge for administrations and stakeholders interested in the sustainable development of the territory.

CARLOS CADENA GAITÁN

Yoga student, teacher and urban cyclist. He obtained his Ph.D. at the University of Maastricht in 2014, and since then is an affiliated researcher at the United Nations University Maastricht Economic and Social Research Institute on Innovation and Technology (UNU–MERIT), within the Research group(s): Sustainable Development, Innovation and Societal Transitions. He serves as the Academic Coordinator at the Centre for Urban and Environmental Studies –urbam– at EAFIT University, where he coordinates the Master’s in Urban and Environmental Processes, and the internal research projects. He also participates as one of the researchers in PEAK Urban; a multinational project led by Oxford University, in alliance with EAFIT University, Cape Town University, Peking University and the Indian Institute for Human Settlements. He was the director of the 4th World Bike Forum, Medellín (2015). Due to that role and other art and urban activism initiatives, he was granted the 2015 “Future Sustainability Leader” Prize by the Danish Think–Tank Sustainia, and nominated to the “Inspired Leadership Award” by The Performance Theatre in London.

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EDITORIAL TECNOLÓGICA DE COSTA RICA

INSTITUTO TECNOLÓGICO DE COSTA RICA

COSTA RICA

Editorial Tecnológica de Costa Rica is a specialized department of the Costa Rica Institute of Technology (ITCR). Created in 1978, it has been since then actively engaged in editing and publishing books in the fields of science and technology, bringing a further contribution to the different sector of the national and international community. The main purpose of this university press, in accordance with the ITCR’s principles, is to gather and disseminate relevant knowledge in science and technology in order to reach those sectors of the community that may require of it.
**NATIVE PLANTS FOR EROSION CONTROL**

**PLANTAS NATIVAS PARA EL CONTROL DE EROSIÓN**

The book addresses the issues of erosion and ecological restoration from an integral and multidisciplinary point of view, in order to use native plant species as bioengineering elements and ensure a healthy functioning of the ecosystem. It provides practical guidelines on how to use various native plants to minimize erosive effects on slopes with moderate gradients or undermined slopes, both in urban and rural areas, crop fields, roadsides or in any other unsteady ground conditions. It includes 70 species for which, in addition to the taxonomic description, data on phenology, habitat type, propagation, geographic distribution and various uses are provided. It includes a special section on erosion control with seeding methods, root type and some criteria for revegetation projects. It includes a textual and illustrated glossary to guide the reader on the basic concepts of plants. It is a practical book, especially for field use, written in clear and simple language.

**VIRGINIA ALVARADO GARCÍA**

Tropical Biologist. Master in Watershed Management. Researcher at the Wildlife and Health Laboratory, Universidad Estatal a Distancia, Costa Rica. Her fields of interest include bioengineering, soil contamination, water quality, women and science.

**MA. AUXILIADORA ZÚÑIGA AMADOR**

Professor at the School of Natural Sciences, Universidad Estatal a Distancia, Costa Rica. Holds a Master’s degree in Management and Restoration of the Natural Environment from the University of Alicante. Research interests include ecological restoration, landscaping and native plants.

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Since its inception, the UABC has invested all its efforts in publishing. Since it was enacted Law UABC in 1957, has fully worked accordingly to their functions: research, teaching and cultural outreach, and with them, book publishing has always been a vital instrument to the performance of these activities.
We all share the same ecosystem. We are part of the earth, as the earth is part of us. However, in spite of all the efforts made in the framework of sustainable development, the development–environment relationship is not yet an adequate subject. The important linkage between society and nature means that without natural resources it is impossible to sustain, in the long term, any type of development. Therefore, it only makes sense to achieve sustainability with a complete social–natural system. Achieving this is only possible if production and consumption are kept within ecological limits or capacity cargo of the planet. For this reason, we understand as appropriate the postulates of ecological economy.

JOSÉ GARCÍA GÓMEZ
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Contact: Laura Figueroa Lizárraga, editorial@uabc.edu.mx
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This work presents a series of reflexions on the issue of environmental valuation, from capital importance of advent of a more environmentally and socially supportive and responsible, as it investigates the impact of the environmental factor in the exercise of real estate valuation.

ÉRIKA CHÁVEZ NUNGARAY
She has a degree in International Trade from the Universidad Autónoma de Sinaloa, a master’s degree in Regional Economics from the Centro de Investigaciones Socioeconómicas de la Universidad Autónoma de Coahuila, and a PhD in Economics from FEYRI–UABC. During her graduate studies she has been a scholarship holder by the National Council of Science and Technology (Conacyt). She has done research stays at the University of Castilla La Mancha, Spain, and at Harvard University, through the Real Colegio Complutense and the David Rockefeller Center for Latin American Studies. She has participated in research activities in the CLACSO–FACSO–CROP Network on Poverty Studies in Latin America and the Caribbean. Her research topics are related to the study of industrial dynamics, urban growth and welfare in the Northern Border.

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The publishing activity of the Catholic University of Santa Fe, which started formally in 2006, is aimed at promoting and making scientific and literary works known. It has an editorial board, series directors, and publishing processes protocols. The main purpose is to publish the intellectual production of the research and teaching staff of the Catholic University of Santa Fe. This aim has led us to develop a strategic plan, which is reflected in the catalogue and in the variety of titles in print. The series Cuadernos (Notebooks) has become a useful tool both for the teaching staff and the students of the different courses of the different programmes of our university. The main areas of our publications are Architecture, Law, Economic Sciences, Education, Philosophy, History, and Psychology. On the other hand, there are series of literary works and related to relevant issues for our culture. Young adult literature has also been recently incorporated into our catalogue. The publishing division of the Catholic University of Santa Fe participates at different provincial book fairs, in Santa Fe and other provinces, and always participates at the Buenos Aires International Book Fair and at the Guadalajara International Book Fair. As a founding member of the Publishing Network of Private Universities (Red de Editoriales de Universidades Privadas, REUP), we foster cooperation relationships with other university publishers. The published material of the University is distributed through different points of sales, especially through a national distributor. The University also has a bookshop. More info at: www.ucsf.edu.ar/ucsf/editorial/
FOOD LIGHTHOUSES. TRACING SOCIO–ECOLOGICAL STRATEGIES IN PANDEMIC

FAROS ALIMENTARIOS. RASTREOS DE ESTRATEGIAS SOCIO–ECOLÓGICAS EN PANDEMIA

Faced with the worsening of the food crises that unleashed the quarantines in 2020, this volume aims to recover hopeful experiences around food for a post–pandemic eco–social recovery. In the first part, it shows the depletion factors of the food model of development. In the second one, it summarizes current initiatives that outline transition pathways towards socio–ecological food models.

MARÍA CELESTE NESSIER
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This volume arises as an initial contribution to the development of an academic collection on the Covid–19 Pandemic. The collection recovers the message of hope from Pope Francis who, amidst the suffering and bewilderment, appeals to solidarity as an “antibody” against COVID. It is proposed to address the articulation between the concept of integral ecology and the critical discourses of development. He argues that the integral ecology proposal, by returning human beings to their creatureliness, has the potential to reverse the dynamics of domination and exploitation that govern the links between humans and the non–human. Make a particular reading of the contributions of Pope Francis from the question of development and its criticisms. It does not pretend to present the thought of the pontiff, but rather takes some concepts as triggers, reflecting on the models and speeches that have defined global coexistence. This reflection places the pope’s discursive proposal in dialogue with contemporary authors who, although they go through different speeches and trajectories, share an effort in the search for alternatives of the current model of coexistence.

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ENVIRONMENTAL EDUCATION TO COME. PERSPECTIVES FROM LATIN AMERICA

LA EDUCACIÓN AMBIENTAL POR VENIR. PERSPECTIVAS DESDE LATINOAMÉRICA

From their pedagogical interventions and their projects implemented in Mexico, Brazil, Colombia, Uruguay, the authors weave a critical dialogue about the current situation of environmental education, not without generating between them, theoretical tensions, contrasts, questions and also, for whatnot, they rehearse some answers about the present and the future. It is therefore a book that contains the concerns so that environmental education in Latin America leaves some place of comfort (if it exists in the conception of some environmental educators) to shake their frames of explanation of reality demanding a new ontology open to political, aesthetic and hermeneutical experiences, to problematize its objects or its meaning, or to rethink new pedagogical and methodological problems that have arisen by integrating the participation derived from social mobilization in resistance and criticism of an Environmental pseudo-education that favors the private appropriation of nature.

COORDINATOR
ELBA AURORA CASTRO ROSALES

Rights: Available worldwide. Contact: Iliana Ávalos Gónzalez, iliana.avalos@editorial.udg.mx. + 52 33 3640 6326
Accumulated decades of governmental and civil initiatives, functional or transgressive to the urban agroindustrial model, have been adding skin and spirit to the field of environmental education (EA) in Mexico. This work offers a balance of what happened in the country in EE between 2005 and 2019, with an emphasis on what happened in the period of the Decade of Education for Sustainable Development (2005–2014), decreed by the Organization of the United Nations. This publication is constructed from the views of the EE actors themselves in the country, so that it is a review from within generated by people and groups that, far from feeling defenseless, commit themselves to think, to do now look critically at the path traveled.

FRANCISCO JAVIER REYES RUIZ
Ph.D. in Social Sciences. Professor–researcher of the Master in Environmental Education at the University of Guadalajara. Member of the Center for Social and Ecological Studies A.C., the National System of Researchers, the National Academy of Environmental Education, and the Mexican Council for Educational Research. He has coordinated strategic and public policy documents for the development of environmental education at the national and state level. Author and coordinator of books, educational materials, articles, and chapters related to regional development and environmental education.

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Elba Castro, environmental educator, shows the relationship between poetry and nature. This academic work analyzes the work of 13 living contemporary poets, who in their creative solitude are accompanied by the ecstasy of nature to offer speeches located in the interstices of art and education that refresh the face of the future and the territory we inhabit paved by the pessimism of planetary devastation. A question directs this project: What does the contemporary poetry of western Mexico say about nature? The findings surprise both poets and environmentalists and challenge our way of being and being in the world, connecting with the issues of life.

**ELBA AURORA CASTRO ROSALES**

Communicologist and environmental educator. Ph.D. in Social Sciences at the Center for Research and Higher Studies in Social Anthropology. Coordinator and professor–researcher of the Master in Environmental Education at Universidad de Guadalajara. She has experience in the production and conduction of radio programs and the development of educational materials. She has published books, chapters, and scientific and dissemination articles on environmental education and communication, valuation of biodiversity through food culture, society–nature relationship, and responsible consumption.

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The Editorial Universidad de Caldas is attached to the Vice–rectory for University Projection and its work is aimed at editing, publishing and distributing the academic, investigative and cultural production of the entity, the region and the country with parameters of quality, timeliness and relevance. Its structure is designed in different collections that are nourished by the research, teaching and extension work of University academics or external authors who contribute to the enrichment of the catalog and the creation of work networks. The editorial lines that make up the catalog are: Research books, Textbooks, Essays and Literature. Some works are also produced in the collections of Arts and Humanities, and Philosophical–Literary Notebooks. The unit has a team of professionals in charge of promoting the dissemination and appropriation of knowledge and culture, with editing, production, circulation and marketing of editorial projects. As part of the dialogue with cultural expression and knowledge, the Editorial coordinates the development of the Manizales Book Fair, which celebrates 11 years of publication and seeks to strengthen the space of reading, writing and in general all forms of the book in boys, girls, youth and adults, as a means of communication and universal encounter. https://editorial.ucaldas.edu.co/
This book is the product of the interest of the Research Group for Environmental Studies in Water and Soil (GEAAS) of the Department of Chemistry of the Faculty of Exact and Natural Sciences of the University of Caldas in contributing to the study and proposing alternatives for the treatment of the waste generated from gold mining, and in particular, the treatment of residual sands that were cyanidated in the gold extraction process, since they contain high levels of cyanide and their disposal by washing is difficult. Taking into account the contamination caused by some gold mining practices on ecosystems and the existence in nature of mechanisms for self-purification and control of these alterations, the analysis of the effects of treatment with wastewater (residual sands with high concentration of cyanide) from a mining area in the department of Caldas in the species Eichhornia crassipes (Mart.) Solms, Pistia stratiotes L. and Salvinia auriculata Aubl. (commonly known as Water Buchón, Water Lettuce and Water Fern, respectively) in terms of secondary metabolites, cyanide accumulation, photosynthetic changes and toxicity, in order to understand the way in which the species used assimilate the pollutant and how the environmental conditions can affect its phytochemistry to propose, in the future, water treatments residuals in which these species are included.

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Currently, more than 50,000 diseases are known that affect plants of economic importance and each year more are discovered. These diseases cause economic losses, which causes a reduction in the yield and quality of the crop. Generally, farmers and agricultural professionals have difficulties to correctly diagnose the pathogens that cause them, using inappropriate agricultural products of a broad spectrum and high toxicological category for their control, producing a negative impact on environmental, economic and social aspects. That is why this illustrated guide was developed to help identify 50 diseases caused by chromists, fungi and phytoparasitic nematodes in horticultural crops. A detailed description of the pathogen, symptoms of the disease it causes, epidemiological factors that favor it, and the economic losses it can cause are included. In addition, it is complemented with taxonomic keys that allow professionals to study the inherent characteristics of each of the identified and illustrated pathogens.

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This book is the product of an investigation that was carried out for four years with manual workers who provide services to sugar mills located in Valle del Cauca, Colombia. The text addresses the processes of flexibilization and precariousness of work and life of sugar cane cutters, deepened by the structural changes of the cluster, which by increasing superprofit, since 1959, as well as the ecological footprint and the Land grabbing does not consequently benefit agricultural workers, from policies of labor and social stability to them, but rather subjects them to the loss of work derived from the growing process of machining the harvest as well as labor massacres, and social that mark the life of the cane harvester. The study reveals the conditions of meaning of life and work of the harvesters, with an investigative and political purpose, to unmask the euphemisms and traps that the corporate system of the transnationalized sugar mills puts to manual labor. It then intends to form evidence of the physical and social disappearance of the cane cutters, a product of applied sociological analysis, which gives value to the statements made in the work and which in turn serves as socially valid information for decision-making leading to the dignity of the important role that agricultural workers contribute to an economic field as important as the production of sugar, ethanol and derivatives in Colombia.

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EDITORIAL UNIVERSIDAD DEL NORTE
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UNINORTE Press. This university editorial is regulated by Universidad del Norte policies concerning the diffusion of the scientific and academic activities of the institution, which centers on the ongoing stimulus to teachers and researches to publish textbooks, books and widespread circulation journals at local, regional, national levels and whose contents reflect the results obtained in the academic or research activity of the different groups or centers.
This book, beyond a compendium of academic projects, aims to be a source of inspiration for independent designers, design academies, foundations and government offices seeking new guidelines to impact on a social level, particularly during an emergency in a sudden crisis and also at the beginning of an innovative initiative.

EDGARD DAVID RINCÓN QUIJANO
Product designer, prototype developer and mediator of technology transfer processes between the university, the company and the state. As a teacher and researcher, I have worked together with my students to manage product strategies and their commercialization, together with the strengthening of social innovation dynamics through Design. Currently, it supports community empowerment processes through design, planning and land use planning processes from the communities, the strengthening of initiatives for social entrepreneurship, and the methodological and instrumental development of design for social transformation. Under the Service Learning (ApS) strategy, it has carried out more than 100 design interventions in the community, which have not only impacted its participants but also the academy itself, generating a line of research on design for social innovation with an impact on national and international level.

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In this book the reader will be able to find the tools to make an approach to the territorial ordering with a socio-ecological base, that is to say, a territory conceived from the biogeophysical limits and designed with the ultimate aim of promoting human well-being. It is a text that can be used by students who require basic concepts to initiate their approach to the understanding of human–nature relations, as well as by decision makers, since the steps to be taken into account for a territorial ordering are presented. The work presents situations applied to the city of Bogotá, since it stands as one of the best Latin American laboratories, since its trends follow, and increasingly faster, the directions of many metropolises worldwide in the framework of the Anthropocene.

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This work arises from research carried out in the MA in Environmental Law and Management at the Universidad del Rosario and seeks to contribute to discussions on the sustainability of development. These reflections start from the premise that the "greening of private law" must begin from the core of companies, that is, from corporate principles that guide their actions, in the way they design their statutes and procedures and deal with compliance with and respect for national and international standards. Hence, their performance and relationship with their environment during the implementation of works, projects, or activities should reflect a transparent and responsible internalization of fundamental premises such as respect for local customs, understanding of ecosystem limits, and consideration of people and groups in vulnerable situations. In this sense, this book consists of four chapters: the first two examine, from a general perspective, corporate environmental law and infrastructure projects, while the third and fourth chapters study the implications of two specific and controversial economic sectors in Colombia: the oil palm industry and the fracking industry.

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There is a thread that connects everything that exists: the weave of nature, society, and culture. This fabric is vulnerable. Since the nineteenth century, we have considered it plausible to dominate everything: the laws of life, nature, societies, and markets. We thought that we could grow infinitely, and we tried. The result is the world we live in: the Anthropocene. The crisis will be increasingly deeper. We have lost the essence of what could facilitate the construction of a collective response: the essence of our being as humans. This book examines the role of education in building a more humane society. What does this society consist of? Is it possible to build it before it is too late? How can we have quicker transitions after the pandemic? What is the role of the younger generations? The author offers a panoramic view of the problem, but instead of venturing to give absolute answers, he invites us to construct a collective thought. A global educational crusade will be useful in order to rebuild us as societies and to change the paradigm of unlimited growth for one of a more humane and sustainable society.

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The essays included in this book are the result of contributions from renowned experts on sustainable development and environmental democracy in Latin America and the Caribbean. The content is organized in five parts with fourteen articles that provide different perspectives on the Escazú Agreement within the framework of five areas of critical importance for humanity and the planet—part of the 2030 Agenda for Sustainable Development—known as the five Ps: people, planet, prosperity, peace, and partnership. For the United Nations Economic Commission for Latin America and the Caribbean (ECLAC) and the Faculty of Jurisprudence of the Universidad del Rosario, the Escazú Agreement represents a valuable and unprecedented opportunity for the region not only to strengthen democracy, human rights, and environmental protection, but also to fulfill the most significant global agenda of our time: sustainable development. We hope that these reflections contribute to the elaboration of better policies and legal and institutional frameworks regarding access to information, public participation, justice in environmental matters, and the protection of environmental defenders in Latin American and Caribbean countries.

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The National University of Quilmes (Universidad Nacional de Quilmes), founded in 1988, is a public university located in Argentina which established its own publishing house (Editorial de la Universidad de Quilmes) in 1996. Designed to serve as one of the University’s centerpieces in terms of outreach and community integration efforts, this publishing house has become an essential tool to increase the university’s social visibility and to release the books that can make a real contribution to knowledge and cultural heritage in Argentina and the world at large. The Universidad Nacional de Quilmes Press, which has adopted an academic approach, maintains a backlist of over 400 titles divided into 15 series directed by experts from the university, who enrich every series with original and translated works that provide different perspectives on knowledge, reflecting all the fields of interest to the university’s faculty, students, research teams, and scholars. In addition, the catalogue includes art books by prestigious Argentine artists and some other special editions designed to reach a wider readership, thus giving way to further interaction with the community. This is how our Publishing House promotes culture and knowledge, acting as a centerpiece in the effort to meet public university’s goals.
The past Argentinian decade characterizes by the emergence and visibility of socio–environmental conflicts of several dimensions and with different peculiarities. Among these conflicts, the ones generated by the arrival of large–scale mining projects, also known as mega–mining, stand out. In order to understand this phenomenon from a previously unexplored perspective in academic papers, Lucrecia Soledad Wagner approaches the public interventions of self–convened residents, assemblies and multisectoral organizations that marched to reject this activity in the province of Mendoza, and tries to explore two dimensions of the process in constant relation. On the one hand, she reconstructs the collective actions that made the conflict become public knowledge and that placed mega–mining as one of the topics of greatest debate in the province and in the whole country. On the other hand, she analyzes the institutional paths taken by these socio–environmental disputes, specially related to environmental impact assessment procedures. In order to give a thorough context of these events, the author places the Mendoza case in a national frame of increasing socio–environmental mobilization, addresses the theoretical debates of this process and outlines a brief historical perspective of the mining activity in the country.

LUCRECIA WAGNER
She has a degree in Environmental Diagnosis and Management from the Universidad Nacional del Centro de la Provincia de Buenos Aires (UNICEN) and a doctorate in Social and Human Sciences from the Universidad Nacional de Quilmes. She was a doctoral and postdoctoral fellow at Conicet, and a professor at UNICEN. She has published several articles on socio–environmental conflict in Argentina mainly in relation to mega–mining.

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EDITORIAL UPC
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Editorial UPC was created by Universidad Peruana de Ciencias Aplicadas to disseminate and make the knowledge generated by its faculty, collaborators, graduates, and other members of the university community available to a larger audience. Hence, it contributes to the development of education, sciences, and culture for the benefit of society. Today, there are authors from different universities and specialties; thus, we seek to foster and enrich the knowledge and contributions to the academic community. We wish to continue with this practice and, in so doing, strengthen our publishing house’s core motivation: making valuable and useful knowledge visible and available for the development of the different members of society. The motto of our Publishing House is summarized in this phrase: “We share knowledge.” In addition to that, it should be emphasized that Editorial UPC was the first Peruvian university press to publish the digital versions of its books and, currently, it is developing an open access collection under this modality. Publications, organized by collections, series, and topics, may also be purchased and distributed by print–on–demand.
Ezio Macchione’s photographic collection brings together 72 images on unexplored landscapes and nature in the jungle, the highlands, and the coast of Peru. The reader will find that the approach, the interpretation, and the very selection of photographs differ from the traditional iconography with which Peru is represented. The photographs portray inhospitable corners that are part of the diverse geography of the country that dazzles and welcomes everyone moving through these unknown spaces. All the images making up this book are to remain as an archive and convey a poetic sensoriality, a dramatic and emotional vision of nature. The photographs were taken over seven years and are divided into four sections: mountains, jungle, desert, and coast.

**EZIO MACCHIONE**

He was born in Italy and completed his higher education in Rome. Since the end of 2014 he has lived in Lima, where he founded the Imago Mundi photographic studio and the Círculo de Cultura Fotográfica Agorá. He studied architecture at the historic Faculty of Valle Giulia in Rome and, at the same time, began to provide architectural and interior design photo services. By the end of the 1990s, he began to collaborate with an Italian publishing house specialized in travel books and to edit numerous photographic books. In the 2000s he documented important architectural works, such as the new Auditorium in Rome by architect Renzo Piano, the National Museum of 21st Century Art in Rome (MAXXI) by architect Zaha Hadid, and the Giubileo Church by architect Richard Mayer. In 2015 he published his first photographic book: *El desierto costero de Ica*. Currently, he is a disseminator of photographic language at Círculo de Cultura Fotográfica Agorá and, as a photographer, he addresses industrial areas of the construction and mining sectors in Peru. He was recently chosen by the Italian company Astaldi, for the photographic documentation of the E–ELT, the largest telescope in the world, which will emerge in the Atacama Desert in Chile.

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How many possible worlds fit in a university press? Although this label implies a kind of limit in a biased reading, in Edulp we see it as a beginning. A passage that allows us to search for answers in the field of science, to retrace the peripherals of art, to understand the unpredictable movements of nature or to establish a link with computer advances. Researchers and academics echo voices of novel authors and fiction writers; knowledge and creativity converge. Analysis, innovation, history, commitment, denunciation, teaching, culture, poetry, folklore, theater, music, travel diaries, literature, illustrations. The possible worlds become, then, immeasurable. Taking advantage of them, we bridge the community so that it gets lost as much as it recognizes itself in our books.
The conservation and sustainable use of biodiversity are one of the most important challenges facing humanity. Biodiversity is essential for agriculture because it provides genes and ecological services, and agriculture is the main activity that threatens biodiversity, due to the simplification of agroecosystems and the use of pesticides. The design and management of sustainable agroecosystems requires strengthening ecological processes, such as biotic regulation and nutrient cycling. And this requires correct levels of functional, cultivated and spontaneous biodiversity, within the properties and in the surrounding landscape that facilitates the flow of the components of biodiversity. This constitutes a new field in agronomic sciences, a vacancy area that this book aims to address, as a reference work for undergraduate and graduate students and all those interested in the design and management of sustainable and resilient agroecosystems.

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The book is an introduction to University Ecotoxicology for undergraduate students attending Environmental Science-related courses. It was organized into 14 chapters, with the first section lecturing a historical overview of the discipline, the major environmental pollutants, and the uptake and bioaccumulation of those contaminants. Then, the second and third sections addressing the toxic effects of pollutants at organism and ecological levels respectively. Finally, the fourth section presenting methodological tools such as toxicity bioassays, biomarkers of environmental pollution, and the ecological risk assessment. Chapters were structured with the issue theoretical introduction, self-case examples, and practice methodological tools. Each chapter was written by specialists in the subject from different universities of Argentina.

COORDINATOR

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This text covers the fundamental topics in Environmental Chemistry, Introduction to Environmental Sciences and Environmental Physicochemistry for students of Chemistry, Chemistry and Environmental Technology, Chemistry, Biochemistry, Biotechnology and Pharmacy, Chemical Engineering as well as related Sciences. The text is based on three central aspects: the macroscopic description of the phenomena, the establishment of correlations between the observed phenomena, as well as the formulation of hypotheses, models and theories to explain the experimental facts. It seeks to show the limitations implicit in the models, in order to establish a dynamic between what is observed and what is intended to be described in terms of them, applied to different environmental scenarios.

**ALBERTO L. CAPPARELLI**

In 2015 he was appointed Emeritus Professor of the UNLP. He was a member of CONICET until his retirement (2015). He was Deputy Director of INIFTA (2002–2009). He currently teaches Physical Chemistry I and Physical Chemistry II for Chemical Engineering students. He is a member of the CEC–Ambiental of the Chemistry and Environmental Technology career and a member of the Academic Committee both at the Faculty of Exact Sciences. He published more than 100 papers in international journals mainly in the fields of Physical Chemistry, Photochemistry, Photophysics and Molecular Physical Chemistry and a similar number in national, regional and international Scientific Meetings and Congresses. He is currently president of the “Fundación Ciencias Exactas” since 2015. He was Argentine representative in the framework of RECyT–MERCOSUR from 1996 to 2015. He is the responsible for the official publication “Industria y Química”, of the Asociación Argentina de Química (AQA), of which he is currently its Vice President.

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Floods are extremely complex events and their occurrence is the result of a complex network of convergences that contribute to it. The combined action of sociocultural, economic, political, ideological, technological and natural factors converges in the construction of geographical areas of risk. The floods in the Northeast of La Pampa and more widely in the so-called Argentine depressed pampas are historically recurrent, although in the last 40 years they have been aggravated by this variety of causes. Floods and their impacts originate in the dynamics of the capitalist mode of production and in the organization for the management of prevention and/or mitigation. However, the official discourse frequently refers to the increase in rainfall, when blaming the blame for the damage caused in urban and rural environments. A simple and simple way to shift the center of the problem towards an “abstract” responsible, an ethereal enemy, about whom “nothing can be done” and only “we have to wait for it to happen”. This book is the result of research carried out by an interdisciplinary team made up of teachers/researchers from the Institute of Geography of the Faculty of Human Sciences of the National University of La Pampa and by technicians, researchers and extension workers from the National Institute of Agricultural Technology–Experimental Station Anguil “Guillermo Covas” from the province of La Pampa (INTA–EEA).

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EUCASA
UNIVERSIDAD CATÓLICA DE SALTA
ARGENTINA

EUCASA is the Catholic University of Salta Press, in Argentina. It was created in 1999. As a university press, it is a special department with an institutional organization chart which depends on the Research and Development Vice–rectorate and whose mission is to contribute to the university’s main aim of generating knowledge through the encouragement of research and also of reporting the results by means of publications that constitute its catalogue, where the nature of the university’s performance is necessarily reflected. Its main goal is to carry out a policy of publications which follows a systematic and continuous plan, developed with the simplicity that the performance of the academic activities demand. In the fulfillment of this goal, we must pay attention to two problems that focus, on one hand, on the production of titles, in which it is necessary to take into account the criteria of quality, originality, reliability, addressees as well as the marketing of the product, according to the addressees’ profile—students, teachers, researchers, public in general, either local, regional, national or international. The difficulty and peculiarity of the press as par of a university lies in the fact that as such, it produces symbolic cultural goods which are, at the same time, products that are offered in the market and both matters must be taken into account at the moment of deciding to publish a book. More information at www.ucasal.edu.ar/eucasa
The current ecological crisis calls for comprehensive answers, as there are many paths that may lead to a solution. This publication of the San Alberto Magno Institute for the Integration of Knowledge, of the Catholic University of Salta, aims at taking up this challenge, deepening the understanding of this issue and creating courses of action that promote the protection of our common home. Within this framework, the book provides a series of reflections that constitute proposals for a Christian humanism, focused on the dignity of man—God’s image—, committed to profound dialog in the face of contemporary issues and with a view to the positive transformation of culture. The Laudato Sí’ Encyclical (Pope Francis) has—additionally—provided encouragement and inspiration to explore the reflexive field of scientific specializations and to stimulate interdisciplinary dialog. The integration of knowledge becomes crucial for understanding the problems we are facing in all their complexity, pursuing an ultimate comprehension of the world and its meaning. Therefore, this publication gathers articles written by lecturers and researchers that belong to different fields of knowledge, thus promoting the exchange of ideas.

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EVALUATION OF THE ENVIRONMENTAL IMPACT IN MERCOSUR

EVALUACIÓN DE IMPACTO AMBIENTAL EN EL MERCOSUR

The evaluation of the environmental impact procedures in the cross–border context in the MERCOSUR constitute the core of this work. From the point of view of international environmental law and integration law, it investigates in depth and from different levels of analysis, the concept, legal status, scope and content of these fundamental management tools for the protection of the environment. This work points out the progress and difficulties of the MERCOSUR in developing its environmental dimension and justifies the need and convenience of providing it with a general regime on environmental impact assessment for the cross–border context. This book constitutes a contribution of undoubted academic value to increase reflection and update knowledge on environmental protection. In addition, it offers a possible and necessary normative proposal, which works on the state of the situation surveyed, pointing out the essential guidelines imposed by international law and the context in which it will be used.

ALBERTO CÉSAR MOREIRA
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71 percent of the Earth’s surface is covered by oceans; 64% of these oceans are considered high seas or international waters. Marine areas beyond national jurisdiction comprise this column of international waters and its sea and ocean bottoms and its subsoil, called the Zone. We recall that this definition is referring to two different marine spaces and with different normative regulations. The High Seas and the Zone are areas teeming with marine biodiversity and vital resources. Hence the importance of defining the scope of the future international agreement for the conservation and sustainable use of its biodiversity, since its exploitation would be covered by the freedoms of the high seas but also protected as it is the common heritage of mankind. Any management criteria for specific areas outside the national jurisdiction must be compatible with the provisions of the 1982 Jamaica Convention (UNCLOS). How to implement a legally binding international agreement for the conservation and sustainable use of marine diversity in these areas if there are different pre-existing agreements and different fields? In this book we will present the challenges and difficulties in developing a legally binding international instrument.

ANA VICTORIA VILLANUEVA
Lawyer graduated from National University of Mar del Plata (UNMDP) and Magister in International Relations from the Faculty of Graduate Studies of the University of Belgrano. He completed postgraduate degrees in International Law within the framework of the Agreement between the UNMDP and the Universities of Leiden and the Asser Institute in the Netherlands and in Cambridge, England. Specialist in Law of the Sea and Maritime Interests. Professor of Public International Law since 1994. She directs the Legal Consultant amonitecienciasdelmar.com

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It presents a series of technical recommendations, both agronomic and silvicultural, to increase crop productivity and incorporate the management of trees or shrubs in the coffee system. Although the emphasis is on the Central Valley of Costa Rica, its content has national and regional application. This work offers agroforestry alternatives in which the coffee system is profitable, sustainable and biodiverse. It is also inspired by the creation of models that allow the transfer of planting technologies and the management of fruit, ornamental and timber trees and shrubs, whether in blocks, lines, boundaries, mixtures or in protected areas.

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**JORGE RAMÍREZ ROJAS**
Agricultural Engineer graduated from the University of Costa Rica. He has 37 years of professional experience as a coffee specialist. He has participated as principal researcher in the development of more than 50 projects in different areas of agronomic knowledge of the crop; he has published numerous articles in specialized journals of agronomy and coffee. In addition, he has written six books on topics related to coffee growing. He has been a speaker in international forums and has been an instructor in coffee courses in several countries.

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Gregorio Dauphin López restores in this work the place that corresponds to Adolphe Tonduz in the golden age of botany in Costa Rica and shows us the magnificent legacy that Tonduz, immersed in the Neotropics, inherited to universal science for the enjoyment of the following generations of botanical scholars and the interested general public. The book is rich in illustrations and details, comprises the agronomic writings of Tonduz showing the inspiration of a man and his love for science over the limitations and inclemencies of the environment. This book takes us back to the past, for better deciphering the present and restoring the scientific credit to whom it rightfully belongs to.

GREGORIO DAUPHIN LÓPEZ
Botanist. Professor at the Instituto Tecnológico de Costa Rica, Sede San Carlos and associate professor at the University of South Florida, USA, with a Ph.D. in Natural Sciences from the Georg-August-Universität zu Göttingen, Germany.

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This book is a practical guide for all those dedicated to environmental education. It is a contribution to the efforts in favor of the conservation of natural resources, especially water resources. It is aimed at young people and adults who live in rural communities supplied by an Association of Aqueduct and Sewage System Administrators (Asada). It may also be of use to organized groups whose interest is focused on water resource issues and conservation. It is hoped that the material presented here will motivate and guide the user on the proper conservation of water resources, so that he/she can implement measures at a personal level and thus lead to a more efficient use of water.

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COLOMBIA

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In Ecocities: an urban experience is considered the importance of the contributions that can be made from the design for the balance of cities with nature, thanks to the quality of the design of public spaces that incorporate green areas and elements of cultural heritage to achieve environments full of diversity. A ecocity is an attractive place to live and work, which maximizes human well-being and respect for the environment natural. It is one that minimizes the total cost of the product life and the demand for contaminated transport and characterized by stimulating the use of material ecological and responsible premium in the industry, by incentivizing the consumption of eco–friendly products and services environment, and for providing society with mobility sustainable. All this in order to contribute and impact the achievement of the Sustainable Development Goals.

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To strengthen and give visibility to the investigative work they develop higher education institutions, the Faculty of Production and Design and the Icon Research Group of the Pascual University Institution Bravo presents this book entitled Sustainability, culture and society as a contribution made from research to the achievement of the SDGs. The book consists of eight chapters of different projects of research developed in the PAME Research groups (Heritage and Memory), GIDVT (Research Group in Costume and Textile Design), Urbanitas, Qualipro, GIIAM (Environmental Innovation and Research) and Icon.

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ARGENTINA

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The Laudato Sí of Pope Francis addresses in depth the environmental issue closely linked to the economy and its consequences. The enormous inequality suffered by a large part of humanity, the environmental degradation resulting from unsustainable production systems, the prevalence of financial systems to the detriment of the minimal conditions of citizenship of a large part of the population and, above all, the accentuation of selfishness exacerbated where the individual eliminates any solidarity principle of socialization. Cooperatives play and will play a fundamental role in this, not only in a new economy, more caring, more humane, but also in the social impact of their various productive insertions. They are dynamic factors of social transformation that become indispensable in a society mired in inequities.

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The Santiago de Cali University Press is an expression of research and teaching activities; it is also an affirmation of the commitment to the preservation and dissemination of culture. Thus, the university guarantees the quality and visibility of its publications through its relevance, its importance, and its validity.
The increase in the world population generates a great demand for products, goods and services, causing overexploitation, natural depletion and massive generation of solid waste (SW), and basic and higher education institutions do not escape this problem. Several studies have been carried out with the objective of implementing an adequate Solid Waste Management Plan in schools and universities. This work shows how the Universidad Santiago de Cali characterized the type of SW produced by the offices of the academic faculties, the blocks where classes are taught and the “Bulevar” food court. Likewise, paper is the most discarded material in all the offices of all the faculties (Health Faculty not sampled) and in the academic blocks. A high percentage of people (six out of ten people) deposit their waste in the university’s ecological points. In the Boulevard, a greater amount of organic waste was found. Playful, practical and pedagogical activities were carried out with the community. The generation of RS at USC compared to other universities showed similarities. In this study, more types of waste were sampled, while, in the other universities, the waste was characterized in the technical storage unit. This work shows how the Universidad Santiago de Cali characterized the type of SW produced by the offices of the academic faculties, the blocks where classes are taught and the “Bulevar” food court.

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