

**Alex Godoy-Faúndez, Dr.**  
Visiting Scholar, Weatherhead Center for International Affairs, Harvard University  
Honorary Doctor of Laws Degree from UW-Green Bay, US  
Associate Professor & Director, Sustainability Research Centre, School of Engineering, UDD  
Founding Partner & Chief Sustainability Officer, IdGo Consulting Group  
Founding Partner, Al Sur del Sur, NGO

Altos del Parque Poniente 8101  
Peñalolen, Chile  
Teléfono: +56 (9) 7854 1933  
[alexgodoyf@idgogroup.com](mailto:alexgodoyf@idgogroup.com)  
[agodoyf@gmail.com](mailto:agodoyf@gmail.com)

## ACADEMIC APPOINTMENTS

Associate Professor, School of Engineering, Universidad del Desarrollo (UDD);

**Undergraduate Courses:** IEL 56-Engineering and Sustainability, IEL 564-Sustainability Oriented Innovation; IEL 430-Thermodynamics. IEL 562 Industrial Operations.

**Postgraduate Courses:** MAGS 462 Engineering, Society and Sustainability; MSS 101 The Economy of Sustainability; PDCS: Social-Ecological Systems

**Director**, Sustainability Research Centre (CiSGER), School of Engineering, UDD.

Faculty, [Doctoral Program](#) in Social Complexity Sciences, [Research Center for Social Complexity](#), School of Government, UDD.

Faculty, MBA program in ESG & SDGs, School of Economy & Business, UDD.

**Principal Investigator**, [iSustainabilityLab](#).

**Mentor** for the [HBA Sustainability Certificate](#), Center for Building Sustainable Living, Ivey Business School.

**Research Associate**, FONDAPE Centro de Recursos Hídricos para la Agricultura y Minería

**Lecturer**, Bioremediation of Soils, Master's program in Environment, Waste Treatment Area, Universidad de Santiago Chile

**Research Associate**, [Earth Engineering Center at The Earth Institute](#), Columbia University

**Research Associate**, Postgraduate Program in Sustainable Development and Social Inequities in Andean Region, TransAndean Network in Sustainability - [trAndes Program](#), Pontificia Universidad Católica del Perú - Freie Universität Berlin.

**ID Wos G-4258-2012 | ID Scopus 23481970600 | ID ORCID 0000-0002-9609-9863**

## INTERNATIONAL APPOINTMENTS

- (September 2023) Fellow, Residency program [Rockefeller Foundation's Bellagio Center](#).
- (Current) **Visiting Scholar** in the Weatherhead Scholars Program, Weatherhead Center for International Affairs, [Harvard University](#)
- (Current) **Lead Author** in "Chapter 2: Status and past trends of basic interactions in the nexus" of the thematic assessment of the interlinkages among biodiversity, water, food and health" of the [IPBES nexus assessment](#). The IPBES Plenary, at IPBES 8 (June 2021) approved the undertaking of the nexus assessment as outlined in the "Scoping report for a thematic assessment of the interlinkages among biodiversity, water, food, and health".
- (Current) ORCID **Researcher Advisory Council** (ORAC). ORAC is a diverse group of researchers who will provide valuable perspective and advice to ORCID staff and the ORCID Board as we seek to ensure that ORCID provides value and utility to researchers and aids in the process of research and innovation.
- (Current) Chair [Working Group II](#) – Water Reuse. IWRA Water Quality Task Force.
- (Current) **Member** of the [Advisory Committee for the Global Science Diplomacy](#), United Nations Environment Programme in Partnership with the [Global Council for Science and the Environment](#) (GCSE) and the GlobalSTEM Education Center. The UNEP GCSE Science Diplomacy for the Environment Program will harness the interest by students in higher education STEM, sustainability and environmental programs in science diplomacy through a formal internship (or fellowship) program, satisfying capacity needs for research assistance by the United Nations Environment Program (UNEP) Global Environmental Outlook (GEO).
- (Current) [Earth System Governance Research Fellow](#), Earth System Governance Global Research Alliance. Earth System Governance Lead Faculty is a small group of scientists of highest international reputation who take (shared) responsibility for the development of research on particular analytical problems or crosscutting theme.
- (Current) Member of [Race to Resilience UNFCCC](#)-Expert Reviewer at High-Level Climate Champions Team. The ERG is an advisory body composed of 17 experts from different geographies, backgrounds and expertise. They were selected through an open call for applications from a competitive pool of applicants. They are members of academia, subnational governments, the private sector and civil society organizations, representing 12 countries worldwide. 53% of them are women and 47% men. Together, they hold vast experience as practitioners or researchers working on resilience and adaptation to climate change.
- (Current) Member of the ISO / TC 323 committee of the standard in preparation ISO / WD 59004 Circular economy - Framework and principles for implementation

- (Current) Representative and Local [Coordinator Andean region, UN Sustainable Development Solutions Network – Andes Network](#) sponsored by United Nations
- (Current) Member [of Chile-US Council. for Science, Technology and Innovation](#). U.S. Mission Chile. U.S. Embassy in Chile
- (Current) Head, [Waste to Energy Research and Technology - Chile](#), WTER-CHILE.
- (Current) Research Fellow Network of NGO "[Espacio Público](#)" Foundation. Think Tank.

## PAST POSITIONS

**Director 2013-2022**, [Master's program in Sustainability Management](#), School of Engineering, UDD.

**Scholar in Residence** 2012, Department of Modern Languages and Natural Applied Biological Sciences, University of Wisconsin-Green Bay, WI, US August-November. As a Scholar in Residence at UW-Green Bay, I taught

- ENV SCI 318/518 Pollution Control (Team-taught with Professor John F. Katers)
- SPAN 465 Special Topics: Environmental Issues in the Americas.

**Assistant Professor** (2010-2012), Faculty of Ecology and Natural Resources, Research Fellow, Center for Sustainability, Faculty of Ecology and Natural Resources and Research Associate, Department of Engineering Sciences, Faculty of Engineering, Universidad Andrés Bello (UNAB), Chile.

- **Undergraduate Courses:** CEG2081. Globalization, Global Change, and Sustainable Development, IAB406/406. Sustainability, Innovation, and Environmental Leadership, IND2214. Environmental Management and Energy BMA315. Biological System Assessment
- **Postgraduate Courses:** ETU302. Sustainability Indicators, DMC655. Ecosystem services

**Analyst**, Quality Assurance Department (2006-2009), Vice-rectory for Academic Affairs, UNAB, Chile.

**Adjunct Professor**,

- (2020). Department of Chemical Engineering, Universidad de Santiago de Chile (USACH). Postgraduate courses: "Bioremediation of Soils" and "Climate Change Modeling"
- (2008). School of Engineering and Sciences, Universidad Adolfo Ibáñez, (UAI), Santiago, Chile. Courses: "Science and Technology: History and Environmental Sciences" and "Decontamination Processes".
- (2007) School of Engineering, PUC, Course: "Design Systems of Bioremediation of Soils".
- (2003 – 2006) Department of Biological Sciences, UNAB, Chile. Courses: "Biostatistics" and "Principles of Management".
- (2000 – 2006) Academic Program for Talented Children (PENTA) PUC and Andes Foundation, Chile. Courses: "Pollution and Environment" and "Classic Genetic".

---

## PROFESSIONAL ACTIVITIES

- **Current:** Member of Board, Chapter Zero – Chile. Non-executive directors help shape the strategy of a business to address the risks and opportunities climate change presents. Chapter Zero is here to help them.
- **Current:** Member of Global Ecosystem for Ocean Solutions - GEOS Patagonia Hub
- **Current:** Expert Reviewer

---

## ENTREPREUNERSHIP

Founder Partner & Chief Sustainability Officer, [IdGo Consulting Group](#).

We provide advising on Sustainable Business Growth, Sustainable Planning Investment, Sustainable Risk Management & Sustainability Oriented Innovation with a focus on Sustainable Development Goals.

Founder Partner NGO "[Al Sur del Sur](#)".

We promote the conservation of biodiversity through technology.

## EDUCATION

- Doctor in Engineering Sciences, Chemical Engineering and Bioprocesses Area. School of Engineering, Pontificia Universidad Católica de Chile (PUC).
- Master in engineering sciences, in Chemical and Bioprocesses Engineering. School of Engineering, Chemical and Bioprocess Department, PUC.
- Professional Qualification as Biologist specializing in Bioprocesses. Faculty of Biological Sciences, PUC.
- Licentiate in Biological Sciences. Faculty of Biological Sciences, PUC.

## TRAINING

- 2021. [Inclusive Science Leadership Program for Early- and Mid-Career Researchers in APEC 2021](#). organized by Ministry of Higher Education, Science, Research and Innovation of Thailand, through the National Science

and Technology Development Agency (NSTDA) in collaboration with Sunway University, the Global Young Academy and the Asia-Pacific Economic cooperation (APEC).

- 2018. Skills and Strategies for Community Engagement. [The Engineering Exchange Program](#). University College London. March 5<sup>th</sup> – 8<sup>th</sup>. London Sustainability Exchange.
- 2008. Diploma in Human Capital Management. eClass program, Universidad Adolfo Ibañez (UAI)
- 2008 Strategic Leadership. MBA, UAI – Chile
- 2007 Survey Analysis with SPSS. SPSS Inc. Training and Education Services– Chile
- 2006 e-Blended and e- Learning training. Educative Technologies. UNAB
- 2001 Patents, Model's Utility and Industrial Design. Department of Industrial Property, Ministry of Economy, Foment and re-construction. Government of Chile.
- 2000. Major in Organization and Human Resources Management. School of Management, Faculty of Economics and Management Science, PUC.
- 2000. New Companies (2000) and Strategic Management of Enterprises. PUC, Santiago, Chile.

#### TEACHING ASSISTANT

- 2002. School of Engineering, PUC; Courses: "Environmental Management"; "Biopolymers".
- 1994-2000 School of Biological Sciences, PUC; Courses: "Basic Microbiology"; "Molecular Genetics"; "Reproduction and Development"; "Development and Animal Organization"; "Experimental studies in Ecology"; "Introduction to Biology"; "Evolutive history of Men: Last 2 million years".

#### GRADUATE RESEARCH ASSISTANT

- 2003 – 2006. Laboratory of Solid Wastes: Research: Aerobic bioremediation of desert soils and sawdust contained and contaminated with mixtures of hydrocarbon. Faculty of Engineering, Department of Chemical Engineering and Bioprocesses, PUC– Chile.
- 2001 – 2002. Laboratory of Microbiology, Focus: Biodiversity of marine bacterial communities in coastal environment with heavy metals pollution. Faculty of Biological Sciences, PUC – Chile.
- 1998 – 2001. Laboratory of Immunopathogenesis by *Helicobacter pylori*, Medical Research Center (CIM), Department of Pediatrics, Section of Gastroenterology, Faculty of Medicine, PUC– Chile.

#### UNDERGRADUATE RESEARCH ASSISTANT

- 1997 – 1999. Laboratory of Microbiology, Focus: Pathogenesis and techniques in microbiology and bacterial physiology. Faculty of Biological Sciences, PUC – Chile.
- 1998. Laboratory of Sciences of Materials, Focus: Rheology of hot oils with respect at time and changes of apparent viscosity between commercial oils. Effect of the temperature in the Rheology. Faculty of Engineering, Department of Chemical Engineering and Bioprocess, PUC.
- 1996. Laboratory of Ecology, Focus: Perspectives of the biotechnological production in macroalgae for a rational use of the phycolological resources. Faculty of Biological Sciences, PUC.
- 1995 – 1996. Laboratory of Reproduction, Focus: Study of GnRH over spermatozoids. Faculty of Biological Sciences, PUC.

#### AWARDS & HONORS

**2018 - Honorary Doctor of Laws Degree from UW-Green Bay for his distinguished service to learning in sustainability, the state and the common good of society.**

- **2023.** Residency program Rockefeller Foundation's Bellagio Center. The Rockefeller Foundation Bellagio Center announced the first cohort of 2023 residents selected for a month-long residency program in Bellagio, Italy. The Rockefeller Foundation's Bellagio Center Residency Program offers academics, artists, policymakers, and practitioners an opportunity to unlock their creativity and advance groundbreaking work through the completion of a specific Project <https://www.rockefellerfoundation.org/news/the-rockefeller-foundation-bellagio-center-announces-2023-residents-and-opens-call-for-2024-applicants/>
- **2022** [Gulbenkian Prize for Humanity to both IPBES and the IPCC](#). The Gulbenkian Prize for Humanity, aims to recognise people, groups of people and/or organisations from all over the world whose contributions to mitigation and adaptation to climate change stand out for its novelty, innovation and impact.
- **2022.** Editors Awards for the Frontiers in Environmental Science Outstanding Associate Editors Awards in Environmental Economics and Management. <https://blog.frontiersin.org/2022/03/25/frontiers-in-environmental-science-2021-editor-awards/>
- **2021.** [Springer Natures's China New Development Award](#) 2021, for the book. An Introduction to Circular Economy. Springer, Singapore. [https://doi.org/10.1007/978-981-15-8510-4\\_12](https://doi.org/10.1007/978-981-15-8510-4_12).

- 2020. Best Presentation Award, Estrategia de Sostenibilidad Corporativa y Adaptación al Cambio Climático. Carmen Gloria Ide & Alex Godoy-Faúndez. Encuentro Nacional de Escuelas y Facultades de Administración de Chile, 4-6 de Noviembre 2020. Virtual International Conference, <https://www.enefa2020.com>
- Current Alumnus of [Global Young Academy](#). Our activities focus on science and policy, education and outreach, open science, and the research environment.
- Current Member of [Future Earth](#). Future Earth was officially announced in June 2012 at the UN Conference on Sustainable Development (Rio+20), to be created as a global initiative to strengthen the interface between policy and science.
- 2020. Academic Excellence. School of Engineering, Universidad del Desarrollo
- 2017. Best Presentation Award, Viability Analysis of a Centralized Hydrogen Generation Plant for Use in Oil Refining Industry. C. Fúnez Guerra, B. Nieto Calderón, M. Jaén Caparrós, L. Reyes-Bozo, A. Godoy-Faúndez and E. Vyhmeister. The ICHEFCT 2017: 19th International Conference on Hydrogen Energy and Fuel Cells Technology. Amsterdam, The Netherlands. Dec 4 - 5, World Academy of Science, engineering & Technology
- 2017. Visiting Scholar Fellowship at Earth Engineering Center, Earth Institute, Columbia University 2017. Energy's Fellowship program for visiting scholars. National Commission for Scientific and Technological Research, CONICYT in Spanish, Government of Chile.
- 2017 International Visiting Scholar, Departamento de Ingeniería Geológica y Minera, Universidad de Castilla-La Mancha.
- 2016. Academic Excellence. School of Engineering, Universidad del Desarrollo
- 2014. Best Paper Award in The Seventh International Conference, on Environmental Science and Technology, sponsored by American Academy of Sciences. June 9 -13, 2014, Crowne Plaza, Houston, Texas, USA, Titled Use of Biosolids wastes as Froth Flotation Reagents for Copper Sulphides Concentration.
- 2012. Scholar in Residence, University of Wisconsin-Green Bay and St. Norbert College. WI, US August-Nov
- 2011. International Visiting Scholar, The International Visiting Scholars Program University of Wisconsin-Green Bay and St. Norbert College. WI, US April 3-23, 2011.
- 2010 IBM Faculty Innovation Award, 2010 Smarter Cities Skills Innovation Award Program. Course: Smarter Cities: Environmental Decision Making.
- 2008 Award for Young Researchers. Fee Remission in 4th European Bioremediation Conference, Technical University of Crete, September 3th to 6th, 2008, Chania, Crete, Greece.
- 2008 Awarded in the Innovation Challenge Tournament. Week of innovation sponsorship by Chilean Innovation Forum, UAI and Endeavor.
- 2007 Awarded in Innovation Challenge for Graduate Student, 2007, Faculty of Engineering, PUC
- 2006 Conference Poster Award in The Second International Conference on Environmental Science and Technology sponsored by American Academy of Science. August 19-22, Houston, Texas, US.
- Selected among "Chile's 100 Young Leaders 2006". 2006. Center of Leadership, UAI [www.redlideres.cl](http://www.redlideres.cl).
- 2006 Doctoral Student Fellowship CONICYT
- 1995-1996 MINEDUC Scholarship, Ministry of Education, Government of Chile

## LIST OF PEER REVIEWED PUBLICATIONS

### EDITOR

1. [Andean Hydrology](#). Rivera, Godoy-Faúndez & Lillo-Saavedra January 30, 2018 Forthcoming Science Publishers and by CRC Press. 265 Pages ISBN 9781498788403

### BOOKS

2. Ecología Industrial y Minería: El Uso de Biosólidos en Minería para una Gestión Sustentable. Lorenzo Reyes-Bozo y Alex Godoy-Faúndez. Editorial Académica Española. ISBN: 978-3-659-03054-3. 2012

### BOOK CHAPTER

3. Godoy-Faúndez A., Rivera D., Aitken D., Herrera M., El Youssfi L. (2021) Circular Economy in a Water-Energy-Food Security Nexus Associate to an SDGs Framework: Understanding Complexities. In: Liu L., Ramakrishna S. (eds) An Introduction to Circular Economy. Springer, Singapore. [https://doi.org/10.1007/978-981-15-8510-4\\_12](https://doi.org/10.1007/978-981-15-8510-4_12)
4. Legal Perspectives on Bridging Science and Policy. Chapter 3. Understanding water disputes in Chile with text and data mining tools. Mauricio Herrera, Cristian Candia, Diego Rivera, Douglas Aitken, Daniel Briebe, Camila Boettiger, Guillermo Donoso and Alex Godoy-Faúndez. 1st Edition. Edited by Mara Tignino, Raya Marina Stephan, Renée Martin-Nagle, Owen McIntyre. Routledge Special Issues on Water Policy and Governance 2020 ISBN 978-0-367-40685-1
5. Desafíos del Agua para la región Latinoamericana. Chapter 6. Sistema Hídrico como Sistema Complejo; Alex Godoy-Faúndez. Ed. Fundación Chile. ISBN: 978-956-8200-38-1

6. Andean Hydrology. Chapter 2: Socio-environmental Issues Related to Mineral Exploitation in the Andes. Douglas Aitken, Alex Godoy-Faundez, Oscar Jaime Restrepo-Baena, Diego Rivera and Neil McIntyre, Science Publishers and CRC Press. 2017.
7. Environmental Microbial Biotechnology. Chapter 8 Environmental Microbial Biotechnology inside mining operations from an engineering viewpoint based on LCA. Alex Godoy-Faúndez, Douglas Aitken, Lorenzo Reyes-Bozo and Diego Rivera. "Soil Biology" Series, Volume 45. Editors: Sukla, L.B., Pradhan, N., Panda, S., Mishra, B.K. (Eds.). Springer International Publishing. DOI: 10.1007/978-3-319-19018-1, Hardcover ISBN 978-3-319-19017-4
8. Innovación Social. Una Herramienta para mejorar la calidad de vida de las personas. Chapter: Equilibrio Medioambiental y Social: Caso Emiliana. Loraine Cisternas y Alex Godoy. Instituto de Innovación Social. Fundación Miguel Kast – Universidad del Desarrollo. Pp 71-83
9. Chile: Environmental, Political and Social Issues Chapter 5. Environmental Outcomes: Linking social and economic issues. Godoy-Faúndez, A., Hernando, A., Correa, C. and Reyes-Bozo, L. Book [www.novapublishers.com](http://www.novapublishers.com), binding: Hardcover, Pub. Date: 2012 - 3st Quarter, Status: Published. Pp: 113-146. ISBN: 978-1-62257-192-5
10. El Chile que se viene Ideas, miradas, perspectivas y sueños para el 2030 (Chile: ideas, visions, perspectives and dreams for 2030). Chapter: Una nueva forma de evaluar políticas, a la altura de lo que queremos ser. Godoy-Faúndez, A. Editors: Ricardo Lagos Escobar, former President of Chile 2000-2004 and Oscar Landerretche, Binding: Hardcover, Catalonia - Fundación Democracia y Desarrollo Publishers. Date: December 2011. Status: Published. ISBN: 9770363241068
11. Bioremediation: Biotechnology, Engineering and Environmental Management. Chapter N°3: Sustainable bioremediation, industrial ecology and public policies: New Challenges for Chile. Godoy-Faúndez, A., Reyerez-Bozo, L., Montecinos-Bustamante, W. and Quiroz-Valenzuela, S. [www.novapublishers.com](http://www.novapublishers.com), binding: Hardcover, Pub. Date: 2011 - 1st Quarter, Status: Published. ISBN: 978-1-61122-730-7
12. Leading-Edge Environmental Biodegradation Research. Chapter N°3: Bioremediation of diesel fuel-contaminated soils in the Atacama Desert, Chile. Godoy-Faúndez, A., Antizar-Ladislao, B., Franke-Whittle, I., Turrión-Gómez, J.L. and Perez-Roepke, L, [www.novapublishers.com](http://www.novapublishers.com), binding: Hardcover, Pub. Date: 2008 - 1st Quarter, ISBN: 1-60021-903-9, Status: Published.

#### PEER REVIEWED ARTICLES

13. Unravelling complex spreading system driven by inequities linked to spatial & socioeconomic factors of COVID 19 infection pathways in successive waves. Phd Mauricio Herrera, Co-Authors: Carlos Aguirre-Núñez, PhD; Alex Godoy-Faúndez, PhD; José Francisco Vergara-Perucich, PhD. (Submitted to International Journal of Applied Earth Observation and Geoinformation).
14. Changes on the length and frequency of dry spells during the mega-drought in Chile: Is the current water resource infrastructure prepared for a warmer-drier climate? Latoja, Daniela; Montecinos, Aldo; Lillo-Saavedra, Mario; Godoy-Faundez, Alex; Holzapfel, Eduardo; Lagos, Octavio; Jara, Jorge; Rivera, Diego. (Submitted to Environmental Research Letters)
15. Aligning Global Efforts for a Carbon Neutral World: The Race to Zero Campaign. Sevil A, Muñoz G, Godoy-Faúndez A. The Journal of Applied Behavioral Science. August 2022. doi:[10.1177/00218863221119506](https://doi.org/10.1177/00218863221119506)
16. Exploring the Roles of Local Mobility Patterns, Socioeconomic Conditions, and Lockdown Policies in Shaping the Patterns of COVID-19 Spread. Herrera M, Godoy-Faúndez A.. [Future Internet. 2021; 13\(5\):112](https://doi.org/10.1016/j.future.2021.105112).
17. Call to action: Supporting Latin American early career researchers on the quest for sustainable development in the region. Frontiers in Research Metrics and Analytics, section Research Policy and Strategic Management (2021). Lopez-Verges S, Valiente-Echeverría F, Godoy-Faúndez A, Fernandez Rivas D, Urbani B, Berger JJ and Carmona-Mora P. [Front. Res. Metr. Anal. 6:657120](https://doi.org/10.3389/fres.2021.657120).
18. 10 New Climate Insights - a Horizon Scan. Pihl, E., Alfredsson, E., Bengtsson, M., Bowen, K., Broto, V., Chou, K., ... Zelinka, M. (2021). [Global Sustainability. 1-65](https://doi.org/10.1016/j.glo.2021.100001).
19. Simulation of Water-Use Efficiency of Crops under Different Irrigation Strategies. Kuschel-Otárola, M.; Rivera, D.; Holzapfel, E.; Schütze, N.; Neumann, P.; Godoy-Faúndez, A. [Water 2020, 12, 2930](https://doi.org/10.3389/wa.2020.2930).
20. Preserve Global South's research capacity -Daniel Reidpath, Pascale Allotey and 166 signatories. [Science 15 May 2020: Vol. 368, Issue 6492, pp. 725](https://doi.org/10.1016/j.sci.2020.05.038)
21. Estimation of yield response factor for each growth stage under local conditions using AquaCrop-O. Kuschel-Otárola, M.; Schütze, N.; Holzapfel, E.; Godoy-Faúndez, A.; Mialyk, O.; Rivera, D. [Water 2020, 12, 1080](https://doi.org/10.3389/wa.2020.1080).
22. The role of climate change in convergence of residential water consumption across Chilean localities. Acuña, G.I., Echeverría, C., Godoy, A. [Environmental Economics and Policy Studies \(2020\)](https://doi.org/10.1016/j.eneco.2020.101222), 22, 89–108.
23. Use of humic substances in froth flotation processes. Lorenzo Reyes-Bozo, Pablo Higuera, Carlos Fúnez Guerra, Alex Godoy-Faúndez, Eduardo Vyhmeister, Héctor Valdés-González, José Luis Salazar, Ronaldo Herrera-Urbina. [Journal of Environmental Management, Volume 252](https://doi.org/10.1016/j.jenvman.2019.109699), 2019, 109699.

24. Validation of cryogenic vacuum extraction of pore water from volcanic soils for isotopic analysis. Rivera, D.; Gutierrez, K.; Valdivia-Cea, W.; Zambrano-Bigiarini, M.; Godoy-Faúndez, A.; Álvez, A.; Farías, L. [Water 2019, 11, 2214](#).
25. Viability analysis of underground mining machinery using green hydrogen as a fuel. Carlos Funez Guerra; Lorenzo Reyes-Bozo, PhD; Eduardo Vyhmeister, PhD; María Jaén Caparrós, Bachelor; Jose Luis Salazar, PhD; Álex Godoy-Faúndez, PhD; Carmen Clemente-Jul, PhD; Doroteo Verastegui Rayo, PhD. [International Journal of Hydrogen Energy](#). Volume 45, Issue 8, 14 February 2020, Pages 5112-5121
26. Water Policy in Chile. Global Issues in Water Policy, Volume 21. Alex Godoy-Faúndez. [Water Economics and Policy](#) Vol. 05, No. 01, 1880007 (2019) Book Review.
27. Multiperiod optimization of irrigated crops under different conditions of water availability. Kuschel-Otárola, M.; Rivera, D.; Holzapfel, E.; Palma, C.D.; Godoy-Faúndez. [Water 2018, 10, 1434](#);
28. Understanding Water Disputes in Chile by Text and Data Mining tools. Mauricio Herrera, Cristian Candia, Diego Rivera, Daniel Brieba, Douglas Aitken, Camila Boettiger & Alex Godoy-Faúndez. [Water International \(2019\), 44:3, 302-320](#)
29. Viability analysis of centralized hydrogen generation plant for use in mobility sector. Carlos Fúnez Guerra, María Jaén Caparrós, Beatriz Nieto Calderón, Vanesa Sensarrubias Carbonero, Emilio Nieto Gallego, Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, Carmen Clemente-Jul and Eduardo Vyrhmeister. [International Journal of Hydrogen Energy](#), Volume 43, Issue 26, 28 June 2018, Pages 11793-11802.
30. Distributional impacts of climate change on basin communities: an integrated modeling approach. Ponce, R.D., Fernández, F., Stehr, A. et al. [Reg Environ Change 17, 1811–1821](#) (2017).
31. A combined photovoltaic and novel renewable energy system: An optimized techno-economic analysis for mining industry applications. Eduardo Vyhmeister; Cristina Aleixendri Muñoz; José Miguel Bermúdez Miquel; Javier Pina Moya; Carlos Fúnez Guerra; Lourdes Rodríguez Mayor; Alex Godoy-Faúndez; Pablo Higuera; Carmen Clemente-Jul; Héctor Valdés-González. [Journal of Cleaner Production](#) Volume 149, 15 April 2017, Pages 999–1010.
32. Legal disputes as a proxy for regional conflicts over water rights in Chile. Diego Rivera; Alex Godoy; Mario Lillo; Amaya Alvarez; Consuelo Gonzalo-Martin; Ernestina Mensalvas; Roberto Costumero; Angel García-Pedrero. [Journal of Hydrology 2016, 535, 36-45](#).
33. Water Scarcity and the Impact of the Mining and Agricultural Sectors in Chile. Aitken D., Rivera D., Godoy-Faundez A and Holzapfel E. [Sustainability 2016, 8\(2\), 128](#);
34. Adsorption of biosolids and their main components on chalcopirite, molybdenite and pyrite: Zeta potential and FTIR spectroscopy studies. Mauricio Escudey, Dr; Eduardo Vyhmeister, Dr; Pablo Higuera, Dr; Alex Godoy-Faúndez, Dr; José Luis Salazar, Dr; Héctor Valdés-González, Dr; Germán Wolf-Sepúlveda, MSc; Ronaldo Herrera-Urbina, Dr. [Minerals Engineering \(2015\) 78, 128–135](#).
35. Exploring soil databases: A Self-Organizing Maps approach. Rivera, Diego; Sandoval, Marcos & Godoy, Alex (2015). [Soil Use and Management 31: 121-131](#).
36. Uncertainty in a Monthly Water Balance Model using the Generalized Likelihood Uncertainty Estimation Methodology. Rivera, D., Rivas, Y. & Godoy, A. [J Earth Syst Sci 124, 49–59 \(2015\)](#).
37. Life cycle assessment of macroalgae cultivation and processing for biofuel production. Douglas Aitken, Cristian Bulboa, Alex Godoy-Faundez, Juan L. Turrion-Gomez, Blanca Antizar-Ladislao. [Journal of Cleaner Production](#), Volume 75, 15 July 2014, Pages 45-56.
38. Greening Chilean mining processes through industrial ecology strategies. Lorenzo Reyes-Bozo; Alex Godoy-Faúndez; Pablo Higuera; Ronaldo Herrera-Urbina; José Luis Salazar; Eduardo Vyhmeister; Héctor Valdés-González; Blanca Antizar-Ladislao. [Journal of Cleaner Production](#), 84, 1 December 2014, Pages 671–679.
39. Assessment of the flotability of chalcopirite, molybdenite and pyrite using biosolids and their main components as collectors, for greening the froth flotation of copper sulphide ores. Lorenzo Reyes-Bozo, Pablo Higuera; Alex Godoy-Faúndez; Francisco Sobarzo; César Sáez-Navarrete; Jorge Vásquez-Bestagno; Ronaldo Herrera-Urbina. *Minerals Engineering*, Volume 64, 1 October 2014, Pages 38-43
40. Rougher flotation of copper sulphide ore using biosolids and humic acids. Lorenzo Reyes-Bozo; Ronaldo Herrera-Urbina, Dr; César Sáez-Navarrete, Dr; Alfonso F Otero, Dr; Alex Godoy-Faúndez, Dr; Rosanna Ginocchio. *Minerals Engineering* 24 (2011) 1603–1608.
41. Role of biosolids on hydrophobic properties of sulfide ores. Lorenzo Reyes-Bozo; Ronaldo Herrera-Urbina; Mauricio Escudey; Alex Godoy-Faúndez; César Sáez-Navarrete; Miguel Herrera; Rosanna Ginocchio. *International Journal of Mineral Processing*. Volume 100, Issues 3-4, 14 September 2011, Pages 124-129.
42. Uso de Biosólidos como Reactivo Espumante en Procesos de Flotación: Caracterización Física y Química. Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, César Sáez, Miguel Herrera and Rosanna Ginocchio. *DYNA*, 2011, Nro. 167, pp. 66-73.

43. Bioremediation of contaminated mixtures of desert mining soil and sawdust with fuel oils by aerated in-vessel composting in the Atacama Region (Chile). Godoy-Faúndez Alex; Antizar-Ladislao Blanca; Reyes-Bozo L., Camaño Andrés and Saéz-Navarrete Cesar. [Journal of Hazardous Materials. 2008](#) Vol 151/2-3 pp 649-657.
44. Phenomenological modelling of bioremediation systems for hydrocarbon-contaminated Chilean desert soils. Saez-Navarrete C.; Reyes-Bozo L.; Godoy-Faundez A. International Biodeterioration & Biodegradation. 2008 Volume: 62 Issue: 1 Pages: 11
45. An exploratory study of peat and sawdust as enhancers in the biodegradation of n-dodecane. Sáez-Navarrete C.; Gelmi A. Claudio; Reyes-Bozo Lorenzo y Godoy-Faúndez A. Biodegradation. 2008. Vol 19 pp 527-534.
46. Relationship between Helicobacter pylori virulence factors and regulatory cytokines as predictors of clinical outcome. Serrano C, Diaz MI, Valdivia A, Godoy A, Peña A, Rollan A, Kirberg A, Hebel E, Fierro J, Klapp G, Venegas A, Harris P. Microbes and Infection. 2007; 9: 428-434
47. CagA Antibodies as a Marker of Virulence in Chilean Patients with Helicobacter pylori Infection. Paul R. Harris, A. Godoy, S. Arenillas, F. Riera, D. García, H. Einisman, A. Peña, A. Rollán, I. Duarte, E. Guiraldes, G. Perez-Perez. J. Pediatr. Gastroenterol. and Nutr. 2003; 37(5):596-602.
48. Gastric TGF- $\beta$  in children and adults in Chile infected with Helicobacter pylori". Harris P, Riera F, Godoy A., Arenillas S, Peña A, Rollan A, Duarte I, Guiraldes E, Smith P.. Annual Meeting of the American Gastroenterology Association, San Francisco, CA, USA, May 19-22, 2002. Supplement to Gastroenterology, Abstract, 2002, Vol 122, N°4, w928.
49. Regulatory Cytokines in Gastric Mucosa of Helicobacter pylori-infected children and adults". Paul R. Harris, Helly Einisman, Daniela García, Francisca Riera, Alex Godoy, Silvana Arenillas, Alfredo Peña, Antonio Rollán, Ignacio Duarte, Ernesto Guiraldes. Gastroenterology 2003;124 (4), S1:A-12.
50. Proinflammatory cytokine expression in gastric tissue children from children with Helicobacter pylori-associated gastritis. Guiraldes, E; Duarte, I; Peña, A.; Godoy, A.; Espinosa, MN; Brago, R; Larraín, F; Schultz, M; Harris, P. J. Pediatr. Gastroenterol Nutr. 2001 Aug; 33(2): 27-32.
51. The value on the housing context: Strategies to incorporate green areas in Santiago de Chile. Vargas A., Montecinos W. Godoy-Faúndez A. Chinese Landscape Architecture. 2010 Vol 26/176 pp.13-17
52. Participación de Interleukina-8 en patología gástrica en niños. Harris P, Zylberberg A, Godoy A, Arenillas S, Peña A, Bravo R, Duarte I, Guiraldes E. Gastroenterología Latinoamericana, 2002, Vol.13:19-26.
53. Regulación de la respuesta inmune frente a la infección por Helicobacter pylori. Arenillas S, Godoy A., Einisman H, García D, Harris P. Rev Chil. Pediatr., 73:108-115, 2002.
54. Dolor abdominal, dispepsia y gastritis en pediatría. Rol del Helicobacter pylori". Paul Harris D., Alex Godoy F. y Ernesto Guiraldes C. Rev.Chil.Pediatr. 72(2); 81-91, 2001.
55. Un análisis inmunológico de la patogenia en la infección por Helicobacter pylori y sus enfermedades asociadas. .Paul Harris D., Alex Godoy F., Ernesto Guiraldes C. Gastroenterología Latinoamericana. Marzo 2000, Vol.11: 39-50.

#### PREPRINTS

56. Herrera, Mauricio and Vergara-Perucich, Francisco and Godoy-Faúndez, Alex and Aguirre-Nuñez, Carlos, Highly Segregated Metropolitan Areas Cause COVID-19 Drivers to Act With Different Weights in Successive Pandemic Stages. Available at SSRN: or <http://dx.doi.org/10.2139/ssrn.3848517>

#### POLICY BRIEF

1. 2022. [La transición hacia una alimentación saludable](#) depende del incremento diferencial de la canasta de alimentos en el presupuesto familiar en los distintos quintiles. Stephanie Rivero Zambrano; Alex Godoy Faundez y Diego Rivera Salazar, ISSN 2735-7929 - ISSN 2735-7910
2. 2022. [Embedding the Circular Economy in Global Value Chains](#): Strategies and Frameworks for a Just and Effective Transition. Task Force 3 – Governing climate target, energy transition and environmental protection. T20 Indonesia Summit 2022
3. 2022. [Bending the Linear Economy: On Global Value Chains](#). Implementation gaps in the enforcement of transboundary extended producer responsibility. Global Solutions. Intersecting. Volume 08/2002
4. Imme, Scholz, Klope-Lesch, Adolf, Lepenies, Robert, Godoy-Faúndez, Alex, Režek Jambrak, Anet, Kablan, Armand Ketcha Malan, ... Shimpuku, Yoko. (2020, May 9). [Dealing with interlinkages – a focused approach for implementing the SDGs and overcoming the COVID-19 crisis](#). T20, Tas Forces, G20 Support for SDGs and delopment Cooperation. Zenodo. <http://doi.org/10.5281/zenodo.3818223>
5. Aldunce P. y S. Vicuña, 2019. Adaptación al cambio climático en Chile: Brechas y recomendaciones. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación <http://www.minciencia.gob.cl/comitecientifico/>

6. 2019 Vicuña, S., P. Aldunce, A. Stehr, F. Cid, A. Rivera, K. Alencar, C. Álvarez, J. Barton, J. J. Berger, C. Berroeta, J. P. Boisier, E. Bustos, S. Bustos, T. Correa, S. Cortés, L. Cubillos, F. De la Barrera, F. Donoso, L. Farías, D. Farías, R. Fuster, P. Gese, A. Godoy, L. Guerra, C. Guida, C. Ibarra, M. Jadrijevic, R. Jiliberto, G. Lillo, E. Medel, C. Meruane, F. Meza, M. Montedónico, J. C. Muñoz, L. Muñoz, M. Musalem, A. Navarro, C. Ovalle, R. Palma, C. Pelano, A. Pica, J. Piquer, D. Poblete, R. Ponce, P. Repetto, M. Rojas, A. Rudnick, G. Santis, J. I. Selles, C. Silva, M. Silva, D. Soto, S. Ureta, C. Vargas, G. Vida y P. Winckler (2019). Lineamientos para el desarrollo de planes de adaptación: Aplicación de recursos hídricos. Informe de las mesa ADAPTACIÓN. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <http://www.minciencia.gob.cl/comitecientifico/>
7. 2019 Stehr A., C. Álvarez, P. Álvarez, J. L. Arumí, C. Baeza, R. Barra, C. A. Berroeta, Y. Castillo, G. Chiang, D. Cotoras, S. A. Crespo, V. Delgado, G. Donoso, A. Dussailant, F. Ferrando, R. Figueroa, C. Frêne, R. Fuster, A. Godoy, T. Gómez, E. Holzapfel, C. Huneeus, M. Jara, C. Little, K. Lizama, M. Musalem, M. Olivares, O. Parra, R. D. Ponce, D. Rivera, I. Rodríguez, A. Sepúlveda, M. Somos, F. Ugalde, R. Urrutia, M. Valenzuela, C. Vargas, X. Vargas, S. Vásquez, I. L. Vera, S. Vicuña, G. Vidal, M. Yevenes. Recursos hídricos en Chile: Impactos y adaptación al cambio climático. Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <http://www.minciencia.gob.cl/comitecientifico/>
8. 2019 Muñoz, J. C., J. Barton, D. Frías, A. Godoy, W. Bustamante, S. Cortés, M. Munizaga, C. Rojas y E. Wagemann (2019) Ciudades y cambio climático en Chile: Recomendaciones desde la evidencia científica. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <http://www.minciencia.gob.cl/comitecientifico/>
9. 2019 Rojas M., P. Aldunce, L. Farías, H. González, P. Marquet, J. C. Muñoz, R. Palma-Behnke, A. Stehr y S. Vicuña (editores) (2019). Evidencia científica y cambio climático en Chile: Resumen para tomadores de decisiones. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. [http://www.minciencia.gob.cl/comitecientifico/Water conflicts in Chile - Legal disputes as a proxy \(2015\).](http://www.minciencia.gob.cl/comitecientifico/Water%20conflicts%20in%20Chile%20-%20Legal%20disputes%20as%20a%20proxy%20(2015).)
10. Rivera, Diego; Lillo, Mario; Godoy-Faundez, Alex (2015): figshare. <http://dx.doi.org/10.6084/m9.figshare.1295405>

#### INTERNATIONAL-MULTILATERAL REPORTS

1. 2022. Review Editor: Dubash, N.K., C. Mitchell, E.L. Boasson, M.J. Borbor-Cordova, S. Fifita, E. Haites, M. Jaccard, F. Jotzo, S. Naidoo, P. Romero-Lankao, M. Shlapak, W. Shen, L. Wu, 2022: [National and sub-national policies and institutions](#). In IPCC, 2022: Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [P.R. Shukla, J. Skea, R. Slade, A. Al Khourdajie, R. van Diemen, D. McCollum, M. Pathak, S. Some, P. Vyas, R. Fradera, M. Belkacemi, A. Hasija, G. Lisboa, S. Luz, J. Malley, (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA. doi: 10.1017/9781009157926.015
2. 2022. [Integrated Water Resources Management \(IWRM\)](#): Best Practices, Norms and their Implementation within the APEC Region. SOM Steering Committee on Economic and Technical Cooperation (SCE), Policy Partnership on Science, Technology and Innovation (PPSTI).
3. [United Nations](#) Environment Programme (2021). [The Role of Business in Moving from Linear to Circular economies](#). UNEP, Nairobi. Global Environment Outlook (GEO) for Business (Lead Author).
4. 2020. Contribute with Think20 -Task Force 7:"[G20 Support for SDGs and Development Cooperation](#)". [T20 is the research and policy advice network of G20](#) .T20 communiqué will be shared with the G20 leaders during the G20 Summit, Riyadh on November 21-22, 2020
5. Future Earth, The Earth League, WCRP (2021). [10 New Insights in Climate Science 2020](#). Stockholm
6. Pihl, E., Martin, M.A., Blome, T., Hebden, S., Jarzebski, M.P., Lambino, R.A., Köhler, C., Canadell, J.G., Ebi, K.L., Edenhofer, O., Gaffney, O., Rockström, J., Roy, J., Srivastava, L., Payne, D.R., Adler, C., Watts, S., Jacobsson, L., Sonntag, S., [10 New Insights in Climate Science 2019](#), [Future Earth & The Earth League](#), Stockholm.
7. Independent Group of Scientists appointed by the Secretary-General, Global Sustainable Development Report 2019: [The Future is Now](#) – Science for Achieving Sustainable Development, (United Nations, New York, 2019).
8. HLPE. 2019. [Agroecological and other innovative approaches for sustainable agriculture and food systems that enhance food security and nutrition](#). A report by the High Level Panel of Experts on Food Security and Nutrition of the Committee on World Food Security, Rome.
9. International Water Resources Association -2019, [\(IWRA\) Water Quality Task Force \(TF\)](#), [Water Quality Developing a Global Compendium on Water Quality Guidelines](#)
10. HLPE. 2018. [Multi-stakeholder partnerships to finance and improve food security and nutrition in the framework of the 2030 Agenda](#). A report by the High Level Panel of Experts on Food Security and Nutrition of the Committee on World Food Security, Rome.

11. Water-Energy-Food Nexus Knowledge Action Network 2018. Research and Engagement Plan. Development Team of the Water-Energy-Food Nexus Knowledge-Action Network issued the Research and Engagement Plan to shape and guide water-energy-food nexus-related activities under the Future Earth.

#### **SCIENTIFIC COMMITTEES - SCIENCE DIPLOMACY & INTERNATIONAL REPORTS**

- 2021. CIFAR Futures Council meeting. Canadian Institute for Advanced Research, March, 2021. Canada
- 2020-2021. ISO/TC323 Circular Economy – Technical Current Member (Chilean member, INN). Working Group, I, Definitions and Principles
- 2019. Scoping Meeting of the IPCC Sixth Assessment Synthesis Report to be held in Singapore on 21-23 October
- 2017-2019 Panel Member of [High Level Panel of Experts](#) Steering Committee on Food Security and Nutrition (HLPE), Committee on World Food Security (CFS), Food and Agriculture Organization (FAO), United Nations.
- 2019 [Proposal for Science Diplomacy about STIC Chile](#)-United States. Chile-United States Council for Science, Technology and Innovation (STIC) US Embassy.

#### **SCIENTIFIC COMMITTEES - SCIENCE DIPLOMACY & NATIONAL REPORTS**

- 2022. Informe Desalinización: oportunidades y desafíos como medida de adaptación para la seguridad hídrica en Chile. Vicuña et al. Comit. Científico de Cambio Climático; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación.
- 2021. Palma-Behnke, R., Abarca del R., Agostini, C., Alvear, C., Amaya, J., Araya, P., Arellano, N., Arriagada, P., Avila, C., Barrera, C., Berg, A., Buchuk, D., Cardemil, J. M., Dall'Orso, F., Domínguez, M. P., Escarriaza, C., Feijoo, F., Figueroa, A., Flores, C. ... Vicuña, S. (2021). The Chilean Potential for Exporting Renewable Energy (Mitigation and Energy Working Group Report). Santiago: Comit. Científico de Cambio Climático; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <https://comitecientifico.minciencia.gob.cl/wp-content/uploads/2021/11/The-Chilean-Potential-for-Exporting-Renewable-Energy-web.pdf>
- 2020 Rivera, D.; Pagliero, L.; McIntyre, N.; Aitken, D. & Godoy, A., 2020. Informe Proyecto ARCLIM: Minería. Centro de Recursos Hídricos para la Agricultura y la Minería de la Universidad del Desarrollo, Centre for Water in the Minerals Industry, Sustainable Minerals Institute de la University of Queensland, Sustainable Minerals Institute- Chile y Centro de Investigación en Sustentabilidad y Gestión Estratégica de Recursos de la Universidad del Desarrollo coordinado por Centro de Ciencia del Clima y la Resiliencia y Centro de Cambio Global UC para el Ministerio del Medio Ambiente a través de La Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). Chillán, Chile. <https://arclim.meteodata.cl>
- 2019 Aldunce P. y S. Vicuña. Adaptación al cambio climático en Chile: Brechas y recomendaciones. Informe de las mesas Adaptación y Agua. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación <http://www.minciencia.gob.cl/comitecientifico/>
- 2019 Vicuña, S., P. Aldunce, A. Stehr, F. Cid, A. Rivera, K. Alencar, C. Álvarez, J. Barton, J. J. Berger, C. Berroeta, J. P. Boisier, E. Bustos, S. Bustos, T. Correa, S. Cortés, L. Cubillos, F. De la Barrera, F. Donoso, L. Farías, D. Farías, R. Fuster, P. Gese, A. Godoy, L. Guerra, C. Guida, C. Ibarra, M. Jadrijevic, R. Jiliberto, G. Lillo, E. Medel, C. Meruane, F. Meza, M. Montedónico, J. C. Muñoz, L. Muñoz, M. Musalem, A. Navarro, C. Ovalle, R. Palma, C. Pelano, A. Pica, J. Piquer, D. Poblete, R. Ponce, P. Repetto, M. Rojas, A. Rudnick, G. Santis, J. I. Selles, C. Silva, M. Silva, D. Soto, S. Ureta, C. Vargas, G. Vida y P. Winckler. Lineamientos para el desarrollo de planes de adaptación: Aplicación de recursos hídricos. Informe de las mesas Adaptación y Agua. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <http://www.minciencia.gob.cl/comitecientifico/>
- 2019 Stehr A., C. Álvarez, P. Álvarez, J. L. Arumí, C. Baeza, R. Barra, C. A. Berroeta, Y. Castillo, G. Chiang, D. Cotoras, S. A. Crespo, V. Delgado, G. Donoso, A. Dussailant, F. Ferrando, R. Figueroa, C. Frêne, R. Fuster, A. Godoy, T. Gómez, E. Holzapfel, C. Huneeus, M. Jara, C. Little, K. Lizama, M. Musalem, M. Olivares, O. Parra, R. D. Ponce, D. Rivera, I. Rodríguez, A. Sepúlveda, M. Somos, F. Ugalde, R. Urrutia, M. Valenzuela, C. Vargas, X. Vargas, S. Vásquez, I. L. Vera, S. Vicuña, G. Vidal, M. Yevenes. Recursos hídricos en Chile: Impactos y adaptación al cambio climático. Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <http://www.minciencia.gob.cl/comitecientifico/>
- 2019 Muñoz, J. C., J. Barton, D. Frías, A. Godoy, W. Bustamante, S. Cortés, M. Munizaga, C. Rojas y E. Wagemann. Ciudades y cambioclimático en Chile: Recomendaciones desde la evidencia científica. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <http://www.minciencia.gob.cl/comitecientifico/>
- 2019 Rojas M., P. Aldunce, L. Farías, H. González, P. Marquet, J. C. Muñoz, R. Palma-Behnke, A. Stehr y S. Vicuña (editores) (2019). Evidencia científica y cambio climático en Chile: Resumen para tomadores de decisiones. Santiago: Comité Científico COP25; Ministerio de Ciencia, Tecnología, Conocimiento e Innovación. <http://www.minciencia.gob.cl/comitecientifico/>

- Estrategia Nacional de Investigación, Desarrollo e Innovación para la Sostenibilidad de los Recursos Hídricos. Subcomisión Generación de Investigación, Desarrollo e Innovación para la Gestión Integrada de los Recursos Hídricos. [National Council for Innovation for Development](http://www.cnid.cl/portfolio-items/16074/): CNID <http://www.cnid.cl/portfolio-items/16074/>

#### SCIENTIFIC COMMITTEES- REPRESENTATIVE & DELEGATIONS

- 2023 Party Overflow of Chilean Delegation, Government of Chile at Delegation at twenty-seven session of the Conference of the Parties (COP27), 8-18 November, Sharm El-Sheik, Egypt.
- 2022. Observer of Global Council for Science and the Environment (GCSE) Delegation at twenty-seven session of the Conference of the Parties (COP27), 8-18 November, Sharm El-Sheik, Egypt.
- 2021 Observer of Global Council for Science and the Environment (GCSE) Delegation at twenty-six session of the Conference of the Parties (COP26), Glasgow, UK.
- 2021. Climate Advisor for Climate Action Committee at Regional Government, Santiago, Chile.
- 2019 Member of Chilean Delegation, Government of Chile at Conference of the Parties (COP) and the twenty-five session of the Conference of the Parties, Madrid, Spain.
- 2015 Member of Chilean Delegation, Government of Chile at Conference of the Parties (COP) and the eleventh session of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP), 30 November to 11 December 2015, in Paris, France.
- Representative of Global Compact Local Network Chile in Business and Industry Delegation, Regional Preparatory Meeting for Latin America and the Caribbean, ECLAC to UN Conference on Sustainable Development (Rio+20) 7-9 September, Chile.

#### SCIENTIFIC COMMITTEES - CONFERENCES

- 2023. [11th Annual International Conference on Sustainable Development \(ICSD\)](#). The 2023 conference theme is Research for Impact: An Inclusive and Sustainable Planet. September 20-21, New York, USA.
- 2023. ITS3.1/ERE4.7. EDI. [Challenges of circularity](#): Considering the energy and material demands/benefits of a circular economy across global supply chains EGU General Assembly -Vienna, Austria & Online | 23-28 April 2023
- 2022. [10th Annual International Conference on Sustainable Development \(ICSD\)](#). The 2022 conference theme is Research for Impact: An Inclusive and Sustainable Planet. September 20-21, New York, USA.
- 2021. [9th Annual International Conference on Sustainable Development \(ICSD\)](#). The 2021 conference theme is Research for Impact: An Inclusive and Sustainable Planet. September 20-21, New York, USA.
- 2021. [International conference Climate nexus Perspectives I2CNP 2021](#): Climate nexus perspectives: toward innovative, resilient and sustainable solutions for natural resources and biodiversity management by organized by Khenifra Higher School of Technology, Sultan Moulay Slimane University June 5<sup>th</sup>, École Supérieure de Technologie – Khénifra, Morocco.
- 2020. [International Conference on Climate Nexus Perspectives: Water, Food and Biodiversity \(I2CNP 2020\)](#). Khenifra, Morocco, June 4, 2020. L. El Youssfi, S.I. Cherkaoui, A. Aghzar, M. Farissi, A. Godoy Faundez, D. Rivera Salazar, O. Seidou, T.O. Sogbanmu, W. Doorsamy and Y. Ouaggajou (Eds.).
- 2020. 5th International Conference on Operational Excellence in Mining - Minexcellence Agosto 12-14, 2020.
- 2019. 6th International Congress on Environment and Social Responsibility in Mining, Sustainable Mining. September 4-6.
- 2019. International Conference on Sustainable Development (ICSD) September 21-22, 2019 in New York City, USA. "Consumption and Production."
- 2018. Member of the Session Coordination Group. Session 8.b.3 - Adapting institutional policies to collaborative water governance: the path to enable S&T and policy dialogue. 8th WORLD WATER FORUM. Brazil hosts the largest edition of the World Water Forum and meet its goals. Read More. March 23, 2018
- 2017. 4<sup>th</sup> [International Conference on Water Economics, Statistics, and Finance](#). "Water Challenge in XXI Century". The International Water Association, IWA 11-13Sept, Livorno, Italy, 2017.
- 2016. International Conference in City Sciences (ICCS 2016). 16th and 17th June 2016, Santiago.
- 2016. 5th International Conference on Water Management in Mining – Water in Mining. May 18-20, Santiago.
- 2015 3rd International Conference on Social Responsibility in Mining – SRmining. November 4-6, Antofagasta.
- 2015. WaterWeek LatinAmerica, Fundación Chile, Government of Chile. Viña del Mar March 24-27
- 2012 - Scientific Committee, Suizagua Andina, FundaciónChile-Swiss Agency for Development and Cooperation.
- 2010. The Atlanta Conference on Science and Innovation Policy. September 15-17. Track Chair, The 16th Annual International Sustainable Development Research Conference, A New Arena for Global Governance, The Kadoorie Institute of The University of Hong Kong, 30 May – 1 June 2010.

## SCIENTIFIC COMMITTEES - ADVISORY BOARD & SCIENTIFIC ADVISOR

- 2022. Advisory Board of Circular Territory Program supported by SOFOFA Hub, CORFO, Ministry of Environment.
- 2021. GIZ – Global Solutions Initiative. Circular Economy Solutions Dialogues (CESD) 2021/2022. From Global Value Chain to a Global Circular Economy: Mapping the Journey. The World Policy Forum.
- 2021. Technical Advisory Board, Long-Term planning to future energy scenarios. Ministry of Energy
- 2020. Technical Advisory Board – Advanced Center for Water Technologies-CAPTA, N° 19CTIGH121349. Innova CORFO
- 2020. Scientific Advisor. Mining Sectoral Roundtable - Long-term Climate Strategy, Ministry of Environment.
- 2020. Scientific Advisor. Waste Sectoral Roundtable - Long-term Climate Strategy, Ministry of Environment.
- 2020. Scientific Advisor. Energy Sectoral Roundtable - Long-term Climate Strategy, Ministry of Energy.
- 2012-(Current) Advisory Board on “Water, Energy and Environment Area” FONDEF program, National Commission for Scientific and Technological Research, Government of Chile:
- 2010-(Current) Reviewer for Innovation Projects – INNOVA program, CORFO, Government of Chile.
- 2013-Academic Advisor, Postgraduate programs, National Accreditation Commission. Ministry of Education, Government of Chile.
- 2012- (Current) Reviewer and Rapporteur. Executive Agency for Higher Education, Research, Development and Innovation Funding &. Evaluator for Partnership Program - Joint Applied Research Projects, Romanian National Council for Development and Innovation and Romanian National Council for Scientific Research.
- 2017. Scientific Advisor on Water Sustainability, Public-Private Partnership - Mining Value Alliance.
- 2017. Scientific Advisor, Long-Term planning to future energy scenarios. Ministry of Energy.
- 2016. Scientific Advisor, R & D + i in Water Resources. Comisión Nacional de Innovación para el Desarrollo.
- 2015-2016. Scientific Advisor, Mitigation Action Plan & Scenarios (MAPS) – Chile. Ministry of Environment, Government of Chile. Co-impact assessment of mitigation of climate change. [www.mapschile.cl](http://www.mapschile.cl)
- 2012-2016 Advisory Board, Department of International Relations National Commission for Scientific and Technological Research, Government of Chile.
- 2012 - Reviewer-The Best Corporate and Sustainability Report Awards. AccionRSE, representative of WBCSD - World Business Council for Sustainable Development.
- 2012 – 2015. Advisory Board, Minister of Environment, Government of Chile
- 2012 International Reviewer for FONARSEC- National Agency for Promotion of Science and Technology; Ministry of Science, Technology and Innovation; Republic of Argentina.
- 2011- 2012. Scientific Advisor, Energy Sustainability Indicators, Ministry of Energy, Government of Chile.
- 2012-2014. Scientific Advisor, Sustainable Procurement, ChileCompra Procurement Bureau, Ministry of Treasury, Government of Chile.
- 2010-2012. Scientific Advisor. Environmental Advisory Council of the Peñalolen Municipality, Santiago, Chile.

## INVITED TALKS AND LECTURES

### GUEST KEYNOTE SPEAKER

- 2023. Leveraging the UN Ocean Decade Framework for Ocean Climate Solutions. [Ocean Visions Biennial Summit 2023](#). April 4-6. Ocean Visions is partnering with the American Geophysical Union (AGU)
- 2022. Title of the seminar “Gaps in Climate Change Negotiations: The Missing Link between Adaptation and Mitigation to Achieve Carbon Neutrality by 2030. November 30<sup>th</sup>, Laboratoire des Technologies de la Biomasse, Sherbrooke University.
- 2022. Circular economy and global value chains. Global Solutions Summit 2022- The World Policy Forum. Session Title: Circular Economy and Global Value Chains. Session organizer: Circular Economy Solutions Dialogues (GIZ). March, 28th-29th – Hybrid event from Berlin. <https://www.global-solutions-initiative.org/summit-2022/>
- 2021. ExpoAgua Santiago. “Disasters by climatic events” and “Associated risks and current water situation and projections”. 1-2 December, Santiago Chile. <https://www.expoaguasantiago.cl>. Fondo del Agua Santiago – Foro Economía del Agua.
- 2021. Piezas para el Desarrollo. Discussant: “*Banco Mundial. 2021. Piezas para El Desarrollo : Notas de Política para Chile. World Bank, Washington, DC. © World Bank. https://openknowledge.worldbank.org/handle/10986/36466 License: CC BY 3.0 IGO.*”
- 2021. IV Simposio Latinoamericano de los ODS "Inteligencia para la Sostenibilidad: una mirada latinoamericana hacia los ODS". ODS y Cambio Climático: Desafíos en la región. 28, October, 2021. Argentina (webinar).

- 2021. Linking Water Scarcity, Copper production and Electricity Market. The Chilean Case of interplay between greener power and uncertainty on copper prices. Conferencia SPIM 2021, "Sostenibilidad para la Industria Minera", 27, 28 y 29 Agosto.
- 2021. "Water-Energy-Food Security in Chile: A social dilemman". [International conference Climate nexus Perspectives I2CNP 2021](#): Climate nexus perspectives: toward innovative, resilient and sustainable solutions for natural resources and biodiversity management by organized by Khenifra Higher School of Technology, Sultan Moulay Slimane University June 5<sup>th</sup>, École Supérieure de Technologie – Khénifra, Morocco.
- 2020. "Food Water Energy Nexus". [International e-Conference Climate Nexus Perspectives](#): Water, Food and Biodiversity by organized by the Higher School of Technology, Sultane Moulay Slimane University June 4<sup>th</sup>, École Supérieure de Technologie – Khénifra, Morocco.
- 2020. [E-Meeting on COVID19 for Latin America](#). Global Young Academy, May 14<sup>th</sup>.
- 2020. "Sustainability Sciences and Higher Education". [eConference - Interdisciplinarity in \(Higher\) Education and SDGs](#) by organized by the Higher School of Technology, Sultane Moulay Slimane University. April 25<sup>th</sup>, École Supérieure de Technologie – Khénifra, Morocco.
- 2019. APEC Sustainable Plastics Eco System forum. APEC Sustainable Plastics Eco System - Best Practice Sharing On Business Model Innovation and Technologies Implementation. Taichung, Chinese Taipei November 25<sup>th</sup> – 29<sup>th</sup>
- 2019. Global Young Academy International Conference of Young Scientists and Anniversary Annual General Meeting at the German National Academy of Sciences Leopoldina Halle (Saale), Germany, 29 April – 3 May.
- 2019. International Conference on Sustainable Development (ICSD) September 21-22, 2019 in New York City, USA. "Consumption and Production."
- 2019. Webinar: Science Beyond Borders - How to Get Involved in International Science Policy | [The New York Academy of Sciences](#)
- 2019. "Understanding Water Disputes in Chile With Text and Data Mining Tools" [Bridging Science and Policy: Legal Perspectives](#). IWRA. Alex Godoy-Faúndez. International Water Resources Association Webinar N°21. Thursday, May 16<sup>th</sup> from 17:00 to 18:30 Central European Time (11:00 – 12:30 EST).
- 2018. Mobilizing the global science community to support the Sustainable Development Goals (SDGs): with a focus on Latin America and the Caribbean. [Latin America and the Caribbean Open Science Forum - CILAC 2018](#), 22 - 24 October 2018, Panama City.
- 2018. Chilean perspective on waste management and recent actions taken. Sustainable Waste Management: The Forefront of Innovation [EEC/WTERT Bi-Annual Conference](#), October 4<sup>th</sup> & 5<sup>th</sup>, 2018, The City College of New York. Hosted by EEC|CCNY.
- 2018. [International symposium Boundary Spanning: Advances in Socio-Environmental Systems Research](#). June 11-13, Annapolis, Maryland. Co-sponsored by SESYNC, Resources for the Future, and the University of Maryland.
- 2018. III Cumbre Mundial de Regiones sobre Seguridad y Soberanía Alimentaria, Cumbre Hambre Cero. 27-28 april, Azuay Ecuador.
- 2018. [Forum of the Countries of Latin America and the Caribbean on Sustainable Development](#) – Second meeting - Santiago, 18-20 April, Engaging scientists in the LAC region to support the implementation of the SDGs (Side Event). 2018. ECLAC headquarters. Av. Dag Hammarskjöld 3477, Vitacura, Santiago.
- 2018 Roundtable: ¿Cómo gestionamos con éxito la sustentabilidad? Project "Promoción y Desarrollo de la Gestión Sostenible en America Latina" Ministry of Environment – Germany, World Environment Center & Institute for Sustainability. Santiago April 10<sup>th</sup>
- 2017 Second meeting - Santiago, 18-20. Climate change and social inequality: Linking energy, water and food security in the Andean region. October 26-27. Cultural Center of the Pontifical Catholic University of Peru, Lima, Peru. Organized by trAndeS / FU Berlin program, EKLA-KAS, PUCP.
- 2017. Sustainability, History and Chemical Engineering. New Challenges for XXI. XX Congreso Chileno de Ingeniería Química. Universidad Federico Técnica Federico Santa María. Mayo 14-17.
- 2016. Problemática Medioambiental derivada de las emisiones del sector transporte. Workshop. Movilidad Sustentable, Hidrógeno como factor clave de la descarbonización del transporte. UNAB.
- 2016. The 2016 Biannual Meeting of the Global WTERT Council. Waste Management in Chile and Latin America. Columbia University, New York City, October 6 & 7.
- 2015. Global Workshop on Mining Financial Risks related Water and Environmental Risks and their Financial Implications at Columbia University, November 30<sup>th</sup>. Water---Energy and Food Security Nexus: Water rights competition between energy, mining and agriculture.
- 2014 VII Seminar "Sustainability Challenges into Agriculture Industry" by Chilean Dairy Food Association.

- 2014 International Seminar "Monitoring of Hydrological Resources on Forestry Industry: Research, Development and Innovation" Sponsored by Ministry of Agriculture and Forestry Institute
- 2013 Discussant of Seminar "Seminar "Resources and tools for management and decision-making"" CEPAL
- 2013 Sustainability Management" Workshop. Chile Australia Chamber of Commerce.
- 2013 "Energy and Sustainability" 1st Seminar in Sustainable Building - Bio Bio, Concepción, Chile
- 2013 "Current sceneries of environmental policies in Latam post-Kyoto" Global Compact Network Chile.
- 2013 "Energy Sceneries and Sustainability" Seminarium Intl. Executive Education, Santiago, Chile.
- 2012 "Informative Meeting of Rio+20, United Nations Conference on Sustainable Development", Ministry of Foreign Relations, Government of Chile and Global Compact Network Chile.
- 2012 University of Wisconsin-Green Bay Dinner Lecture Series: "The Andean Experience".
- 2012 "National Meeting of Natural Resources, Agriculture and Livestock Service", Agriculture and Livestock Service, Natural Resource Protection Division, Ministry of Agriculture, Government of Chile, Chile.
- 2011 Workshop "Environmental Local Management and Territorial Development", Roundtable Housing and Habitat 2011, National Service Program, Alleviation of Poverty Foundation, Chile.
- 2010 "Sustainability, Innovation, Leadership and Engineering: Green or Blue Challenges?", ECO-Communications, III International Seminar of Marketing and Communication: The new Environment and Business. Hosted and Sponsored by UNAB and PROCHILE, Government of Chile, Chile.
- 2011 "Global Change, Sustainability and Engineering", Workshop, "Waste with high value added; School of Design, Universidad Andrés Bello, Viña del Mar. June 25.
- 2010 "Sustainability, Innovation, Leadership and Engineering: Green or Blue Challenges?", XIX University Meeting of Industrial Engineering, Universidad de ICESI, Colombia.
- 2010 "Trends on Sustainability, Innovation and Environmental Entrepreneurship" Annual Conference on Entrepreneurship and Environmental Innovations. UNAB and Ministry of Environment, Government of Chile.
- 2010 "Global Change and Eco-tourism" "3th National Forum on Tourism" and the "4th Congress of the Society of Researchers in Tourism of Chile." Hosted and Sponsored by UNAB, Chile.

#### **GUEST LECTURER**

- 2022. Reflections after COP27. Intercultural Dialogues. National Congress of Peru November 6th
- 2022. The Challenges of Negotiating for Humanity in the XXI Century Study Group by Harvard Advanced Leadership Initiative Fellow. Belfer Center for Science and International Affairs, Harvard Kennedy School, Harvard University. Tuesday, October 25 from 4:30-6pm | Session 2 | Negotiating the climate change regime
- 2020. International Master Class dLAB program. Climate Reality, Universidad del Desarrollo, October 13th
- 2020. Master Class entitled Climate Reality. 8<sup>th</sup> Air Quality Management and Pollution Control, Universidad de Santiago de Chile, October 9th
- 2018. Master Class entitled Climate Change and Future. 43<sup>o</sup> Anniversary of School of Sciences, Universidad de Santiago de Chile, November 10th
- 2016. Sustainability and Innovation, May 14th. OpenLab Beauchef. Universidad de Chile.
- 2015. Waste to Energy in Chile, April 16th. Earth Engineering Center, Columbia University.
- 2013-2014 "Mitigation" The World Business Council for Sustainable Development WBCSD's Business Ecosystems Training (BET) course, Santiago, Chile.
- 2012. "A new way to public policies assessment to achieve developing", April 30<sup>th</sup>, Diploma and Workshop in Public Affairs, School of Economics, Universidad de Chile.
- 2011. "Sustainability: A Common problem", August 10<sup>th</sup>, MBA International Program, UNAB. Chile.
- 2011. "Sex, Lie and Design", Capsules of knowledge, UNAB, Chile <https://www.youtube.com/watch?v=abRJ3H7Sg74>
- 2011. "Systemic thinking and Sustainability", Master's program in Corporate Social Responsibility, UNAB.
- 2011. "Sustainability Business", Master in Business Management, UAI, Chile.
- 2010. "Sustainability, Innovation, Leadership and Engineering", MBA Program, Universidad de ICESI, Colombia.
- 2010 "Sustainable Bioremediation, Industrial Ecology and Public Policies: New Challenges for Chile". Course "Ecology and Biodiversity BTE-017, Faculty of Sciences, Santo Tomás University.
- 2009 "Sustainable Development", Master in Business Management, UAI, Chile.
- 1999 "Pathology & Immunology of the Helicobacter pylori infection". PUC, Medical Research Center, School of Medicine, Department of Pediatrics, Santiago, Chile.

#### **MEMBERSHIPS**

- Member of Network for Business Sustainability (NBS) <https://www.nbs.net>

- Member of Business Ethics and Organizational Association <https://www.asociacioneticachile.cl>
- Member of trAndeS – Programa de Posgrado en Desarrollo Sostenible y Desigualdades Sociales en la Región Andina <https://www.programa-trandes.net>
- Member of Waste to Energy Research and Technology Council <http://gwcouncil.org>
- Member of United Nations Sustainable Development Solutions Network <https://www.unsdsn.org>
- Member of National Council for Science and the Environment (NCSE) <https://www.ncseglobal.org>
- Member of Latin American Studies Association. (LASA). <https://lasa.international.pitt.edu/>
- Member of International Water Association (IWRA). [www.iwra.org](http://www.iwra.org)

#### **REFEREE & PEER-REVIEWER**

- 2020 Expert Reviewer for Report on assessing the interlinkages among biodiversity, water, food and health contribution to Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)
- IPBES
- 2019 Expert Reviewer for the for the Internal Draft of the Working Group I (WGI) contribution to the Sixth Assessment Report (AR6) of the IPCC
- 2019 Expert Reviewer for the Internal Draft of the Working Group II (WGII) contribution to the Sixth Assessment Report (AR6) of the IPCC
- 2019 Expert Advisor on Sustainable Waste Management in Robinson Crusoe Island. NatGeo Pristine Seas
- 2019 Expert Reviewer, Second Order Draft (SOD), IPCC Special Report on Climate Change and Land (SRCCL)
- 2019 Expert Reviewer, Second Order Draft (SOD), Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories, IPCC Task Force on National Greenhouse Gas Inventories (TFI)
- 2018 Expert Reviewer, First Order Draft (SOD), IPCC Special Report on Climate Change and Land. (SRCCL)
- 2018 Expert Reviewer, Second Order Draft (SOD), IPCC Special Report on Global Warming of 1.5C (SR15)
- 2018 Expert Reviewer, First Order Draft (FOD), Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories. IPCC Task Force on Inventories (TFI)
- Research Councils UK (RCUK) and National Commission for Scientific Research and Technology (CONICYT) to the Newton RCUK-CONICYT Broadening Impact Call 2017 Theme: Energy-Food-Water-Environment Nexus. Research Council UK

**Member of Editorial Board:** *Recycling* (ISSN 2072-4292). Special Issue "Water Recovery Recycling and Resilience". *Recycling* is a journal focusing on resource recycling and waste re-utilization which provides an international online forum for sharing of best practice in waste management, policy, technology, regulations and assessment. [http://www.mdpi.com/journal/recycling/special\\_issues/waste\\_water](http://www.mdpi.com/journal/recycling/special_issues/waste_water)

#### **Member of Editorial Board – Associate Editor:**

- *Water Security*. *Water Security* aims to publish papers that contribute to a better understanding of the economic, social, biophysical, technological, ecological and institutional influencers of current and future global water security.
- *Environmental Development* is a future-oriented journal that contributes both theoretical and practice-based knowledge for sustainable and low carbon futures. *Environmental Development* serves as a source of information and learning for researchers, postgraduate students, policymakers, and managers, and bridges the gap between fundamental research and applications in management and policy practices. The journal caters to a broad range of disciplines and authors and welcomes scientific work from all parts of the world.
- *PLOS Water* connects researchers across the hydrology, water resources, and water, sanitation and hygiene communities, amplifying a diverse set of voices to influence the global discourse around fresh water.
- *Frontiers The Environmental Economics and Management* section publishes cutting edge research in the development and application of novel economic and management approaches to address the environmental challenges humanity faces in the 21st century and beyond.
  - *Frontiers in Environmental Science*

#### **Current Member of Editorial Board –Review Editor:**

- Frontiers in *The Interdisciplinary Climate Studies* section aims to highlight interdisciplinary and transdisciplinary approaches to environmental issues, paying special intention to climate change.
  - Frontiers in Ecology and Evolution
  - Frontiers in Environmental Science
  - Frontiers in Earth Science

#### **Past Associate Editor:**

- The International Journal of Sustainability Policy and Practice, Volume 8, Issue 1;
- The International Journal of Environmental Sustainability, Volume 8, Issue 1;

- Chilean Journal of Agricultural & Animal Sciences

#### **Peer-Reviewed Journal,**

- Open Water Journal.
- Recycling.
- Air, Soli and Water Research.
- African Journal of Environmental Science and Technology.
- Biodegradation.
- Biofuels, Bioproducts & Biorefining.
- Chemosphere.
- Energy Conversion and Management
- Energy Efficiency
- Energy, Ecology & Environment
- Energy Research & Social Science.
- Environmental Engineering and Management Journal.
- Fuel
- International Journal of Environmental Sustainability.
- Journal of Cleaner Production
- Journal of Environmental Management.
- Marine Pollution Bulletin.
- Mineral Processing and Extractive Metallurgy Review.
- Science of the Total Environment.
- The International Journal of Environmental, Cultural, Economic and Social Sustainability.
- Toxicological & Environmental Chemistry.
- Fresenius Environmental Bulletin.
- Waste and Biomass Valorization.
- Water Environment Research.
- Water Science and Technology:
- Water Supply.
- Water Technology & Practice
- Water International.
- Water Economics & Policy
- Future

#### **Peer-Reviewed Books,**

- Expert Reviewer for the Urban Solid Waste Chapter of the Second Urban Climate Change Research Network (UCCRN) Assessment Report on Climate Change and Cities (ARC3-2). Cambridge University Press, 2011,
- eBook Publications Department, Bentham Science Publishers.

#### **AWARDED RESEARCH GRANTS**

- 2023-2025. FONDECYT **1230520**. I put a spell on you: persistence of dry spells over central Chile (30o to 42 S) from 1980 to 2022. Co-Researcher.
- 2021-2022. RG. T3476 Regional Facing the Water Security Challenge: Developing Water Security and Drought Management Plans for LAC Count. Inter-American Development Bank
- 2021 -2023. Hacia un modelo de tarifa progresiva en el sector sanitario. Análisis y evaluación de alternativas tarifarias para el sector de agua residencial para el gran Santiago. Funds for development and Innovation UDD.
- 2019-2023: Water Research Center for Agriculture and Mining (WARCAM), Water & Society area. FONDAP, CRHIAM/CONICYT/FONDAP15130015 for Research Centers in Priority Areas, National Commission for Scientific and Technological Research (CONICYT in Spanish), Government of Chile.
- 2021-2024. Regional Development Funds. FIC-R2020, Bio- Bio Region. "Bios Network – Design and Sustainable Innovation. School of Design, Universidad del Desarrollo.
- 2019 Towards the Modernization of the State: Analytical Modeling of State Capabilities based on staffing data. Project ID19110198, FONDEF program, National Commission for Scientific and Technological Research, Government of Chile.
- 2018. ¿Cómo mejorar la disponibilidad y equidad en el acceso de agua? Propuestas para mejorar la gobernanza hídrica en territorios andinos con extracción minera a gran escala (Perú - GRADE, CINEP-Colombia, Gino Germani – UBA, CiSGER-UDD). Fundación Ford.
- 2018. Addressing the environmental impacts resulting from the replacement of freshwater with seawater in the Chilean mining industry. Funds for development and Innovation UDD.
- 2017. UCL's Global Engagement Funds. Engineering Exchange UCL-UDD
- 2017. International Study and Training Partnerships (ISAP) – DAAD University of Duisburg-Essen – Universidad del Desarrollo
- 2017, Grants Corner, U.S. Embassy Chile. Project Strengthening associativity between UW-Green Bay (US)-Universidad del Desarrollo (UDD) supporting Green Innovation Conference.
- 2017, 100,000 Strong in the Americas Innovation Fund - Partners of the Americas. Project: "Establishment of a University of Wisconsin-Green Bay (US)-Universidad del Desarrollo (Chile): Environmental Engineering Issues-Water Emphasis."
- 2016: North-South Interdisciplinary Grant 2016. Ethics in environmental decision-making: From individual acts to global outcomes? Global Young Academy. Alex Godoy and Jan-Christoph Heilinger, Coauthor.

- 2015-2017: President's Global Innovation Fund, Columbia University. Advanced holistic waste management and waste to energy technologies in rapidly developing nations: Research and Dissemination thrusts enabled by the knowledge-how of the Earth Engineering Center (EEC) of the Earth Institute.
- 2015-2016: Corporate Sustainability Index Assessment. School of Business and School of Engineering, Funds for development and Innovation UDD.
- 2014-2019: Water Research Center for Agriculture and Mining (WARCAM), Water & Society area. FONDAP, CRHIAM/CONICYT/FONDAP15130015 for Research Centers in Priority Areas, National Commission for Scientific and Technological Research (CONICYT in Spanish), Government of Chile.
- 2014: App development for dental & clinical diagnosis. Funds for development and Innovation UDD.
- 2013: Host Grants U.S. Fulbright Senior Specialist 2013, Dr. John F. Katers grantee for Project ID# 5584 by Fulbright Commission - Chile. Name of Institution Hosting Award: UDD, Chile.
- 2013: New Engineering to 2030. Co-Researcher INNOVA CHILE program, Production Development Corporation, (CORFO in Spanish), Government of Chile.
- 2012-2013: Design of service-learning methodology for Sustainability and Social Responsibility. Funds UNAB.
- 2012-2013: Analysis of bioenergy innovation ecosystem in Chile: Algae as a solution for water treatment, reduction of greenhouse gases and bio-fuel production. Internal Funds UNAB.
- 2012-2013: Using different organic matrices for the concentration of sulfide minerals. Internal Funds UNAB.
- 2011-2012: Development of a system/technology assessment protocol for energy efficiency in the road transport. Co-Researcher. Faculty of Engineering, UNAB - Chilean Association of Energy Efficiency.
- 2011-2012: Linking Sustainable Consumption and Life Cycle Assessment. Fundación Chile
- 2010-2013: Angels Investor Network, Platform ProyectaChile, INNOVA CHILE program, CORFO.
- 2007-2009: "Technology Business Consortium for the development of Thermo solar technologies". Studies of pre-investment consortia (Innovation), Program INNOVA CHILE, 2007. CORFO.
- 2005-2006: Grant for support and completion of Doctoral Thesis, CONICYT
- 2003-2006: Industry sponsored program for Doctoral Thesis research by Minera Escondida Ltda.

#### **CONSULTING TO PUBLIC & CIVIL SECTOR**

- 2022. Sustainability program consulting to Metropolitan Park. Ministry of Housing, Government of Chile.
- 2021. General Project Manager: PPSTI 05 2019 – Integrated Water Resources Management (IWRM): Best Practices, Norms and their Implementation within APEC Region. Asia-Pacific Economic Cooperation Secretariat. <https://aimp2.apec.org/sites/PDB/Lists/Proposals/DispForm.aspx?ID=2499>
- 2020. Apoyo técnico y metodológico para el Eje 3: Eficiencia y Uso estratégico del recurso hídrico. ATN/OC-15816-CH. Corfo, Ministry of Economy, Government of Chile.
- 2020. Facing the Water Security Challenge: Developing Water Security and Drought Management Plans for LAC Countries. RG-T3476. International Development Bank, IDB.
- 2020. ARCLIM. Atlas de riesgo climático de Chile (Climate Risk Atlas – Chile). Ministerio del Medioambiente.
- 2015-2016: "Economic Instruments for pollution Control in the basin of Villarrica Lake" Ministry of Environment, Chile. (ID: 608897 - 89 - LP15)
- 2015: Plan Maestro de Sustentabilidad, Parque Metropolitano. ID: 607277-LE15. Metropolitan Park. Ministry of Housing, Government of Chile.
- 2010-2012 Advisor to Fundación Chile, Energy and Climate Change Division. Sustainable Consumption and consumer's behavior.
- 2011-2013: Environmental Impacts of Sustainable Procurements in Chile. ChileCompra Procurement Bureau, Department of the Ministry of Treasury, Government of Chile.
- 2013 National Irrigation Commission (CNR). Project: Sustainability Assessment of National Irrigation Policy through application of systems thinking.
- 2011-2012: Determination of Greenhouses Abatement Curve. Principal Investigator. Private Funds, Concha y Toro Wine Company.
- 2006. Consultant to FUNDACIÓN CHILE, Risk Evaluation and Environmental Remediation program.

#### **CONSULTING TO PRIVATE SECTOR**

- 2014. Corporate Carbon Footprint, Marinetti S.A.
- 2014. Consultant, Oxford Analytica Global Analysis & Advisory ([www.oxan.com](http://www.oxan.com)).
- 2013. Real State Agent, Las Salinas. Sustainability Indicators for a Sustainable Neighborhood Project.
- 2011-2012: Greenhouses Abatement Curve. Principal Investigator. Concha y Toro Wine Company.
- 2010-2013 Senior Advisor in Innovation and Business, Angels Investor Network, ProyectaChile,
- 2010-2012 Senior Consultant in Environmental Innovation. Advient, Setting Ideas in Motion. Technological Breakthrough with existing R&D by Scientific Open Innovation, [www.advient.net](http://www.advient.net)

- 2009. Consultant: “Security Energy and Biodiversity: Key Elements for Sustainable Development, and Enhancing the Competitiveness of Chile”, National Congress Library, Government of Chile.
- 2009 Advisor in Bio-Business – OCTANTIS, Universidad Adolfo Ibáñez, Project: “Support for new bio-business. Entrepreneurship Start up and Venture Capital”. Funds CORFO
- 2009-2011. Consultant - Zeltzer, Barberis y Ulloa Associates. Project: “Technology Business Consortium for the development of thermo solar technologies, CORFO.
- 2006. Consultant to RIALTO, Focus: Development of methodologies by industrial wastes, Emissions Factors.
- 2005. Consultant to Bayer Chemical S.A. Focus: Study of infringement of invention patents. Copy of products.
- 2006. Consultant to Minera Escondida Ltda. (BHP-Billiton), Project: Aerobic bioremediation of desert soils and sawdust contained and contaminated with mixtures of hydrocarbon. Design of Bioreactor.

#### **ADVISOR FOR STUDENTS**

#### **POSTDOCTORAL ADVISOR**

- 2017 Ph.D. Douglas Aitken [Ph.D. in Civil and Environmental Engineering, University of Edinburgh] Project: LCA of Water Consumption and Intensity of the Copper Mining Industry in Chile.

#### **PHD STUDENT**

- 2019. Ms. Ilka Roose. [Doctoral Degree Programme ARUS, University of Duisburg-Essen]. Social Dynamics in Water Conflicts: Towards Social.Political Innovations in Urban Systems using the Example of Water Conflict in Petorca (Chile).
- Current. Diego Tapia. [Doctoral Program in Social Complexity Sciences]. Health risk and Air Pollution.

#### **MASTER'S STUDENT**

- 2022. Ms. Staphanie Rivero. [Master in Sustainability Management, UDD]. Evaluation of the economic cost of a partial substitution of foods of animal origin by foods of vegetable origin in the diet of the average Chilean
- 2021. Mr. Claudio Moreira Gonzalez. [Master in Sustainable Design, UDD]. Model for the management of waste and food discard in gastronomy study programs.
- 2020. Ms. Elizabeth Tapia Millegas. [Master in Sustainability Management, UDD]. Instruments to encourage home recycling as support's mechanism to EPR.
- 2020. Mr. Gilberto Ortiz. [Master in Sustainability Management, UDD]. Stakeholders and Sustainability Reports: An Evaluative Approach.
- 2018. Ms. Carmen Gloria Ide. [Master in Sustainability Management, UDD]. Corporate Social Responsibility and Corporate Sustainability.
- 2017. Ms. Gabriela Cabrera. [Master in Sustainability Management, UDD]. A methodology to assess water consumption into Wine Industry.
- 2017. Ms. Haydée Huenunguir. [Master's in engineering science, UDD]. Multi-Objective Optimization of waiting times and GHG in Emergency rooms into Public Hospitals in Chile.
- 2017. Ms. Fernanda Cabañas. [Master in Earth and Environmental Engineering, Columbia University]. Sustainable Waste Management and Reconsideration of WTE Facility in Santiago of Chile [Master in Earth and Environmental Engineering, Columbia University]. Co-Advisor
- 2016. Ms. Carla Roman [Master in Sustainability Management, UDD]. Strategic plan for sustainability of tourism industry at Isabela Island, Province of Galapagos, Ecuador.
- 2016. Mr. Diego Poblete [Master in Sustainability Management, UDD]. Material Flow Analysis into Food Services System: Emission, Water and Energy Consumption.
- 2016. Ms. Tania Mundaca [Master in Sustainability Management, UDD] An approach based on ecosystem services to classify conflict between agriculture and mining activities related to water's rights.
- 2016. Mr. José María Perez [Master in Sustainability Management, UDD] LCA in Premium Wines: Water and Energy Consumption.
- Mr. Sebastián Elías [Master's in environmental management, UNAB] Determination of Greenhouse gas abatement cost curves inside wine industry.

#### **UNDERGRADUATE STUDENTS**

- Ms. Macarena Miranda, [Lic. in Industrial Engineering, UDD]. Water Policy and Conflicts.
- Ms. Francisca Silva, [Lic. in Industrial Engineering, UDD]. Climate Change, Crop Yield and Metabolic Diseases.
- Ms. Javiera Amo, [Lic. in Industrial Engineering, UDD]. Environmental Impacts of Food Nutrition.
- Mr. Joshua Loritz. [Science Policy & Spanish Program, Universidad de Wisconsin – Green Bay]. El derecho al agua: ¿Un derecho universal? Las implicancias prácticas de un dilema moral desde el contexto latinoamericano
- Mr. Andrés Iglesias, [Lic. in Industrial Engineering, UDD] Energy Potential by Waste to Energy.
- Ms. Paula Pizarro, [Lic. in Environmental Engineering, UNAB], Energy Potential by Waste to Energy

- Mr. Nicolás Velasquez [Lic. in Environmental Engineering, UNAB] Cheaper and Little devices for monitoring in irrigation process.
- Mr. Mario Acevedo [Lic. in Industrial Engineering, UDD] Socio-technical analysis, making use of its minor in political science and knowledge in the field of Industrial Engineering, to establish the limitations of the Project of Net-Metering and Net-Billing of Chile (Law 20,571).
- Mr. Cristobal Vilches [Lic. in Marine Biology, UNAB] Multivariate analysis of competitive seaweed culture.
- Mr. Santiago Sinclair [Lic. in Environmental Engineering, UNAB] Methodology of Impact assessment and determination of Sustainability Indicators of sustainable procurement. Public procurement, Ministry of Treasury.
- Ms. Susana Tolosa [Lic. in Environmental Engineering, UNAB] Design of methodology to reduction's curve in use water.
- Mr. Matías Faundes [Lic. in Environmental Engineering, UNAB] Plan and methodology for the application of environmental indicators in a framework of Local Environmental Management OECD GAL IV. Wastes.
- Mr. Felipe Pacheco [Lic. in Environmental Engineering, UNAB] Plan and methodology for the application of environmental indicators in a framework of Local Environmental Management OECD GAL IV. Energy.
- Ms. Jessica Arancibia [Lic. in Industrial Engineering, UNAB] Determination of a Sustainability index based on social indicators.
- Mr. Rodrigo Becerra [Lic. in Industrial Engineering, UNAB] Greenhouse Gas Emissions Inventory by GHG protocol: Municipality of Santiago.
- Mr. Nicolás Velasquez [Lic. in Biological Science, UNAB] Conceptual model of interaction of human factors and impacts in the Biodiversity Management Area Quintay Benthic Resource Extraction: Indicators of Sustainability.
- Mr. Alberto Bielefeldt [Lic. in Sociology, Universidad Alberto Hurtado, UAH] The impact of cultural variables in the generation of topophilia: The case of "San Leon" condominium. Environment and Topophilia.
- Mr. Felipe Barria [Lic. in Sociology, UAH] The impact of cultural variables in the generation of topophilia: The case of "San Leon" condominium. Environment and Topophilia
- Ms. Karina Cáceres Labarca [Lic. in Environmental Engineering, UNAB] Operational changes in landfill to bioreactor Landfill: Technical feasibility about biogas's production.

#### **INTERNATIONAL STUDENTS**

- 2022. Hann Mata. Mechanical Engineering program. University of Houston
- 2018 Ms. Abigail Lowe. B.S. GeoSciences. University of North Carolina
- 2017 Mr. Simon.Hertlein B.S. Physics. München - Ludwig-Maximilians-Universität München. RISE worldwide Alumnus or former DAAD scholarship.
- 2017 Mr. Gabriel Riffin, B.S. Chemical Engineering, Michigan Technological University
- 2017 Ms. Rachal Skyving, Mechanical Engineering Program, University of Idaho – Moscow
- 2016 Ms. Ashley Kampschneider, Bachelor of Science in Chemical Engineering, University of Nebraska-Lincoln
- 2015 Ms. Elle Weber, Professional MSc. in Environmental Assessment at University of Kansas, US
- 2015 Ms. Shelby Geisen at University Colorado Boulder, US
- 2014 Mr. Drew V. Asten, Mechanical Engineering program, University of Wisconsin – Platteville US
- 2014 Mr. Anthony Proano, Political Science and philosophy major in CLAS at Arizona State University, US

#### **LIST OF PROCEEDINGS, POLICY BRIEF & WORKING PAPERS**

##### **ONGOING RESEARCH ARTICLES**

11. Crop yield, water use and WUE of optimum irrigation using an LCA-based methodology. Mathias Kuschel-Otarola, Patricio Neumannb, Niels Schutzec, Eduardo, Holzapfela,, Alex Godoy-Faundez, Oleksandr Mialyk, Diego Rivera.
12. CY2: A Toolbox for Probabilistic Assessment of Crop Yield Deficit. Gabriel Candia, Alex Godoy, Roberto Ponce, Felipe Vasquez Lavin, Isabel Erpel.
13. Water governance and climate variability in Central Chile: lessons from the past, challenges for the future. A Montecinos, M Lillo, A Godoy-Faúndez, A Álvez, V Delgado, F Ochoa & D Rivera.
14. A tale of two outcomes: Mega Mining and Transboundary Impacts. Julieta Godfrid, Alex Godoy-Faúndez, Diego Rivera, Lorenzo Reyes-Bozo, Douglas Aitken.
15. A Big Bang of water rights: implications of water rights mutations on water policy. De la Hoz, F., Álvez, A., Delgado, V., Godoy, A., Holzapfel, E., Ochoa, F., Rivera, D.

16. Spatial intensity of legal disputes related to water rights in Chile (2013-2014): market and regulatory issues” to be considered for publication on Water Alternatives. Delgado, V., Álvez, A., Godoy, A., Ochoa, F. & Rivera, D
17. A method to forecast monthly rainfall using Self-organizing maps. Rivera, Diego; Godoy, Alex & Rivas, Yessica.
18. Modeling and Energy-Based Model Predictive Control of High-Pressure Grinding Roll. Eduardo Vyhmeister, Roamn Rodríguez-Maecker; Lorenzo Reyes-Bozo; Carlos Fúnez-Guerra; Héctor Valdéz-González; Alex Godoy-Faúndez; Fernando Cepeda-Vaca.
19. Technical-economic analysis for a green ammonia production plant in Chile. Lorenzo Reyes-Bozo; Carlos Fúnez Guerra; Eduardo Vyhmeister; María Jaén Caparros; Emilio Nieto Gallego; Carmen Clemente-Jul; Alex Godoy-Faúndez.; José Luis Salazar
20. Sustainability Science and Environmental Education in Higher Education: Water resources and Video Games. Alex Godoy-Faúndez, Lorenzo Reyes-Bozo & Diego Rivera.
21. Sustainability Assessment of Water Policy: Methodology to prioritize actions on a National Irrigation Strategy. Alex Godoy-Faúndez, Lorenzo Reyes-Bozo & Diego Rivera
22. Are water rights? A graph theory approach for water rights networks (Diego Rivera, F De la Hoz y A Godoy)
23. Unseen metabolic plasticity related to biodegradation of hydrocarbon of detected in autochthonous microbial communities at Atacama Desert in bioremediation experiments. Alex Godoy-Faúndez, Lorenzo Reyes-Bozo, Alma E. Rodriguez-Estrada, and Blanca Antizar-Ladislao.
24. Carbon footprint in public e-procurement: A methodology for the measurement of carbon footprint in the public procurement system. Santiago Sinclair-Lecaros, Guillermo Burr, Claudio Loyola, Douglas Aitken, Blanca Antizar and Alex Godoy-Faúndez.
25. Methodology and Indicators for Measuring the Sustainability of e-Procurement. Santiago Sinclair-Lecaros, Guillermo Burr, Claudio Loyola, Douglas Aitken, Blanca Antizar and Alex Godoy-Faúndez
26. The CO2 abatement cost curve for the Chilean Wine industry. S. Elías, D. Aitken, B. Antizar Ladislao, L. Reyes-Bozo and A. Godoy-Faúndez.
27. Benchmark among abatement cost curve for global Wine industry. S. Elías, D. Aitken, B. Antizar Ladislao, L. Reyes-Bozo and A. Godoy-Faúndez.
28. Ecosystem innovation of Bioenergy in Chile: Seaweed as a solution for water treatment, reduction of greenhouse gases and production of bio-fuels. D. Aitken, C. Bulboa, B. Antizar-Ladislao and A. Godoy-Faundez
29. Multivariate analysis of competitive seaweed culture. C. Vilches, A. Godoy-Faúndez, C. Bulboa
30. Waste to Energy: Environmental indicators and conceptual model in a framework of Local Environmental Management. Felipe Pacheco, Matías Faúndez, Lorenzo Reyes and A. Godoy-Faúndez
31. Sustainability Science and Environmental Education in Engineering Higher Education: A model for Chile. A. Godoy-Faúndez, L. Reyes-Bozo and M. F. Budinich.
32. Green Technologies: Incentives in development countries to environmental innovation by Public policy. Environmental Leadership Model. A. Godoy-Faúndez, L. Reyes-Bozo and M. F. Budinich.
33. Public policies in transitional economies for a effective Industrial ecology. Chilean Opportunities. Godoy-Faúndez, A., Reyes-Bozo, L.; and Antizar-Ladislao B.
34. Perceptions, knowledge and Green behavior about Environment and Climate Change in Latinamerica. Godoy-Faúndez, Alex; Reyes-Bozo, Lorenzo; and Antizar-Ladislao Blanca
35. Conceptual model for technological transfer under a framework of local environmental governance in Chile. Case of Recycling Industry. Godoy-Faúndez, A. & Reyes-Bozo, L.

#### **WORKING PAPERS**

36. Miranda-Nieto, A., Schreiber, F. F. N., McAlpine, L., 2022. The Global State of Young Scientists in Latin America and the Caribbean: An Exploration of Constraints and Strategies. Halle (Saale): Global Young Academy/German National Academy of Sciences Leopoldina. DOI: 10.26164/GYA\_00501
37. Relación entre calidad de aire (interior y exterior) y productividad laboral en Chile (The relationship between air quality (indoor and outdoor) and labor productivity in Chile). Marcelo Mena-Carrasco & Alex Godoy-Faúndez. Presented in the Seminar Climate Change and Labour in Chile. OIT, International Labour Organization. Santiago de Chile, August 12th, 2010

#### **PROCEEDINGS: ENGINEERING, ENVIRONMENTAL POLICY & ADMINISTRATION**

1. Rios, C.; Lopez-Verges, S. & Godoy-Faundez, A. Latin-American scientists influencing global policy: Lessons learnt from the Global South. 20-24 June 2022. [Sustainability Research & Innovation Congress 2022](#) Online and onsite in Pretoria, South Africa
2. Extreme Climate Events: Relation Between Water Scarcity and Governance's Instability. Biodiversity, Conservation Science, and Climate Change. [GCSE 2022 Annual Conference](#). June 21 - 24, 2022 | VIRTUAL

3. Sustainability and Business Performance in Chilean Companies. Felipe Abud & Alex Godoy-Faúndez. 7<sup>th</sup> GSOM Emerging Markets Conference 2020; 11-21, November 2020, Graduate School of Management of St. Petersburg University, Rusia.
4. Estrategia de Sostenibilidad Corporativa y Adaptación al Cambio Climático. Carmen Gloria Ide & Alex Godoy-Faúndez. Encuentro Nacional de Escuelas y Facultades de Administración de Chile, 4-6 de Noviembre 2020. Virtual International Conference, <https://www.enefa2020.com>
5. Los claroscuros de la ley de aguas grises. Camila Boettiger Phillips & Alex Godoy Faúndez. XVII Jornadas de Agua, Facultad de Derecho, Pontifica Universidad Católica de Chile. 4 de Septiembre, 2020.
6. Review of water energy food nexus in Africa: Morocco and South Africa as case studies. Lahcen El Youssefi, Wesley Doorsamy, Adil Aghzar, Sidi Imad Cherkaoui, Ihssan Elouadi, Alex Godoy Faundez and Diego Rivera Salazar. E3S Web Conf., 183 (2020) 02002. DOI: <https://doi.org/10.1051/e3sconf/202018302002>
7. Economic Policy Instruments for a Transition towards a Circular Economy. A. Biggs & A. Godoy-Faúndez. Dresden Nexus Conference (DNC2020): Circular Economy in a Sustainable Society. 3-5 June 2020, Dresden Germany
8. Environment and sustainable development: understanding from young university students. Saralegui, D.; Rojas, A.; Godoy-Faúndez, A. 32nd International Congress of Psychology, 19-24 July, 2020 Prague, Czech Republic.
9. Understanding the material recovery by material flows in food retailers: Jumbo supermarket, a Chilean case linking consumption to materials. C.G. Ide, A. Godoy-Faúndez. 7<sup>th</sup> International Conference on Sustainable Solid Waste Management. 26-29 June 2019, Heraklion, Crete island, Greece.
10. Green Chemistry in Froth Flotation: Evaluating the Use of Environmental-Friendly Agents. Lorenzo Reyes-Bozo, Eduardo Vyhmeister, Alex Godoy-Faúndez, Pablo Higuera, Carlos Fúnez-Guerra, Héctor Valdés-González, José Luis Salazar, and Ronaldo Herrera-Urbina. Procemin-Geomet 2019; 15th International Mineral Processing Conference; 6th International Seminar on Geometallurgy.
11. A monthly optimization model for irrigated crops by land and water allocation. M. Kuschel-Otárola<sup>1</sup>, D. Rivera, E. Holzapfel, C.D. Palma and A. Godoy-Faúndez. 1st Latin American & Caribbean Young Water Professionals Conference. International Water Association. 5-8 November, 2018 Queretaro, Mexico
12. Uso del Hidrógeno como reductor en fundiciones de cobre. Fúnez Guerra, Carlos; Jaén Caparrós, María; Nieto Gallego, Emilio; Nieto Calderón, Beatriz; Clemente-Jul, Carmen; Reyes-Bozo, Lorenzo; Godoy-Faúndez, Álex; Vyhmeister, Eduardo. XIV International Congress on Energy and Mineral Resources Sustaining the Future April 10-13, 2018 Seville
13. Sustentabilidad Corporativa de empresas del IPSA-Chile: análisis sistémico de indicadores GRI G4 ponderados por percepciones sociales. Alex Godoy & Cristian Echeverría LASA2018 XXXVI Congreso Internacional de la Asociación de Estudios Latinoamericanos. 23-26 de Mayo, Barcelona, España
14. Technical-Economical Analysis for green ammonia production plant in Chile and subsequently transport to Japan. Carlos Funez Guerra. Beatriz Nieto Calderon, María Jaen Caparros, Emilio Nieto Gallego, Lorezo Reyes-Bozo, Alex Godoy Faúndez, Carmen Clemente-Jul, Eduardo Vyhmeister. European Hydrogen Energy Conference (EHEC) 14th-16th March 2018, Malaga, Spain.
15. Uso del Hidrógeno como redactor en fundiciones de cobre. Fúnez Guerra, Carlos; Jaén Caparrós, María; Nieto Calderón, Beatriz; Clemente-Jul, Carmen; Reyes-Bozo, Lorenzo; Godoy-Faúndez, Álex; Vyhmeister, Eduardo. XIV Congreso Internacional en Energía y Recursos Minerales, Sevilla, del 10 al 13 de abril de 2018.
16. Could be the climate change a driver of incidence rate of T1D in children?. 2017. Francisca Riera & Alex Godoy-Faundez. 43rd Annual Conference of the International Society for Pediatric and Adolescent Diabetes, October 18 - 21, 2017, Innsbruck, Austria
17. Viability Analysis of a Centralized Hydrogen Generation Plant for Use in Oil Refining Industry. C. Fúnez Guerra, B. Nieto Calderón, M. Jaén Caparrós, L. Reyes-Bozo, A. Godoy-Faúndez and E. Vyhmeister. The ICHEFCT 2017: 19th International Conference on Hydrogen Energy and Fuel Cells Technology. Amsterdam, The Netherlands. December 4 - 5, 2017
18. Mainstreaming sustainable mining: Green Chemistry in froth flotation processes. Lorenzo Reyes-Bozo, Pablo Higuera, Carlos Fúnez Guerra, Alex Godoy-Faúndez, Eduardo Vyhmeister, Héctor Valdés-González, José Luis Salazar, Ronaldo Herrera-Urbina. 10th World Congress of Chemical Engineering. 2017. 1th-5th October, Barcelona, España.
19. Economic and operational optimization for semi-autogenous grinding systems, SAG. Jose Luis Salazar, Francisco Cubillos Montecinos, Lorenzo Reyes Bozo, Alex Godoy Faúndez, Pablo Donoso García. 10th World Congress of Chemical Engineering. 1-5 October, 2017. Barcelona, Spain ([www.wcce.org](http://www.wcce.org))
20. Viability analysis for use of hydrogen as fuel in logistics centers. C. Fúnez Guerra, B. Nieto Calderón, M. Jaén Caparrós, L. Reyes-Bozo, A. Godoy-Faúndez and E. Vyhmeister. 1. The 7<sup>th</sup> World Hydrogen Technology Convention, together with CZECH Hydrogen Days. Prague, Czech Republic, 9-12 July

21. Assessment of farmers' vulnerability to climate change at river basin scale: an integrated modelling approach. Roberto Ponce, Francisco Fernández, Alejandra Stehr, Felipe Vásquez-Lavín & Alex Godoy-Faúndez. 23rd Annual Conference of the European Association of Environmental and Resource Economists, 28 June – 1 July 2017
22. Viability analysis of a centralized hydrogen generation plant for use in mobility sector. C. Fúnez Guerra, B. Nieto Calderón, M. Jaén Caparrós, L. Reyes-Bozo, A. Godoy-Faúndez and E. Vyhmeister. HYPOTHESIS Congress XII - June 28-30, 2017 - Syracuse, Italy.
23. Evaluating the use of organic wastes as collector in copper ore froth flotation. L. Reyes-Bozo, P. Higuera, C. Fúnez Guerra, A. Godoy-Faúndez, E. Vyhmeister, H. Valdés-González, J.L. Salazar, R. Herrera-Urbina. 2<sup>nd</sup> Green & Sustainable Chemistry Conference 2017, 14-17 May, Berlín, Germany.
24. Integrated sustainable Waste Management for Santiago de Chile and Inclusion of the Informal Sector. Fernanda Cabañas, Athanasios Bourtsalas and Alex Godoy-Faúndez. The Thirty-Second International Conference on Solid Waste Technology and Management. Philadelphia, March 19-22, 2017.
25. Assessment of farmers' vulnerability to climate change at river basin scale: an integrated modelling approach. Roberto Ponce, Francisco Fernandez, Alejandra Stehr, Felipe Vásquez-Lavín & Alex Godoy-Faúndez. The XVIth World Water Congress "Bridging Science and Policy" to be held in Cancun, Mexico
26. Addressing decreasing water availability for the mining industry using cost-benefit analysis. Aitken, Douglas. Rivera Salazar, Diego & Godoy-Faúndez, Alex. The XVIth World Water Congress "Bridging Science and Policy" to be held in Cancun, Mexico 2017
27. Linking Water Scarcity, Copper production and Electricity Market. The Chilean Case of interplay between greener power and uncertainty on copper prices. Alex Godoy-Faúndez; Diego Rivera, Roberto Ponce and Douglas Aitken. The XVIth World Water Congress "Bridging Science and Policy" to be held in Cancun, Mexico, 2017
28. Inefficient resolution of conflicts over water rights. Legal actions as a proxy of the increase in number and complexity of conflicts. Mauricio Herrera, Diego Rivera, Daniel Briebe, Cristian Candia & Alex Godoy-Faúndez. The XVIth World Water Congress "Bridging Science and Policy" to be held in Cancun, Mexico, 2017
29. Growth and Convergence of Residential Water Consumption. Guillermo Acuña, Cristián Echeverría, Alex Godoy-Faúndez & Felipe Vásquez. The XVIth World Water Congress "Bridging Science and Policy" to be held in Cancun, Mexico, 2017
30. Hydrometeorological risk assessment for crops in Chile. Gabriel Candia, Roberto Ponce, Diego Rivera & Alex Godoy-Faúndez, The XVIth World Water Congress "Bridging Science and Policy" to be held in Cancun, Mexico, 2017
31. Nuevos escenarios latinoamericanos y reconfiguración de los conflictos mineros ¿Cambios o continuidades? Godoy-Faúndez, Alex & Rivera, D. into the Track: Biodiversity, Natural Resources and Environment for the Latin American Studies Association (LASA). Congress (LASA2017) taking place April 29-May 1 in Lima, Peru.
32. Convergencia de Cambio Climático y Desafíos socio-ambientales en Chile. Session Panel Megaminería y gobernanza ambiental en América Latina. Godoy-Faúndez, Alex & Rivera, D. into the Track: Biodiversity, Natural Resources and Environment for the Latin American Studies Association (LASA). Congress (LASA2017) taking place April 29-May 1 in Lima, Peru.
33. Sustainable water management in agriculture: a review. C.A. Villamar, M. Lillo, J. Jara, E. Holzapfel, O. Lagos, A. Godoy. International Congress CRHIAM-INOVAGRI: "Leading Technologies for water management". October 24, 25 and 26 in the city of Concepción, 2016
34. Plataforma integrada para la evaluación de amenazas meteorológicas. Gabriel Candia, Alex Godoy, Diego Rivera. International Congress CRHIAM-INOVAGRI: "Leading Technologies for water management". October 24, 25 and 26 in the city of Concepción, 2016
35. Principales conductores de la demanda hídrica a nivel urbano en Chile. Guillermo Acuña, Cristian Echeverría, Alex Godoy-Faúndez. International Congress CRHIAM-INOVAGRI: "Leading Technologies for water management". October 24, 25 and 26 in the city of Concepción, 2016
36. Total and partial replacement of main collector to concentrate copper sulfide ore by organic wastes: Kinetic studies. Lorenzo Reyes-Bozo. Dr., Pablo Higuera, Héctor Valdés-González, Eduardo Vyhmeister, Alex Godoy-Faúndez, Carlos Funez and Ronaldo Herrera-Urbina. XXVIII Congreso Interamericano de Ingeniería Química, 2016, Cusco, Perú.
37. Assessment of Biosolids and their components as main collector of copper sulfide ores. Lorenzo Reyes-Bozo, Pablo Higuera, Héctor Valdés-González, Eduardo Vyhmeister, Alex Godoy-Faúndez, Carlos Fúnez, José Luis Salazar and Ronaldo Herrera-Urbina. Energy and Environment Knowledge Week - E2kW. Paris, France 28th-30<sup>th</sup>, October, 2016. September 1-2, Viña del Mar, Chile.
38. Growth and Convergence of Residential Water Consumption. Acuña, Guillermo; Echeverría, Cristián; Godoy, Alex. 2016 Annual Conference of the Chilean Economics Society. September 1-2, Viña del Mar, Chile.

39. Assessment of farmers' vulnerability to climate change at river basin scale: an integrated modeling approach" Roberto Ponce; Francisco Fernandez; Alejandra Stehr; Felipe Vásquez - Lavín; Alex Godoy, 12<sup>th</sup> Annual IWREC Meeting, to be held September 11-13, 2016 at the World Bank Headquarters in Washington, DC
40. Coloquio CLACSO-OLA/The New School "América Latina-Estados Unidos, Diálogo de Saberes. Comisión 11: Medioambiente y Sociedad. Nueva York del 25 al 26 de Mayo.  
[www.clacso.org.ar/clacso/convocatoria\\_coloquio\\_clacso\\_ola\\_2016/inicio.php](http://www.clacso.org.ar/clacso/convocatoria_coloquio_clacso_ola_2016/inicio.php)
41. Agua, más allá del Mercado y Derechos Humanos. Godoy-Faúndez, Alex & Rivera, D. into the Track: Biodiversity, Natural Resources and Environment for the Latin American Studies Association (LASA). Congress (LASA2016) taking place May 27 –30 in NYC, NY, US.
42. Cost-effectiveness of strategies to reduce water consumption in the copper mining industries. Douglas Aitken, Diego Rivera and Alex Godoy-Faúndez. Water In Mining 2016, April 27-29. Santiago, Chile
43. Geología y Sustentabilidad: Conexión de la estrategia "desde la cuna hasta la tumba" con procesos mineros. Lorenzo Reyes-Bozo · Ronad Guzmán · Andrés Escare · Douglas Aitken · Pablo León Higuera · Alex Godoy-Faúndez. XIV Congreso Geológico Chileno, La Serena (Chile); 10/2015
44. Assessment of biosolids and their components as main collector of copper sulfide ores. Reyes-Bozo, L.; Godoy-Faúndez A. Aitken D., Higuera, P. & Herrera-Urbina R. Procemin 2015. 11th International Mineral Processing Conference- October 21-23, 2015. Santiago, Chile
45. Sustainability Assessment of Public Policy: Methodology to prioritize actions on Water Policy. Alex Godoy-Faúndez, Douglas Aitken, Lorenzo Reyes-Bozo & Diego Rivera. XVth World Water Congress, International Water Resources Association will be held from the 25th to 29th May 2015 at the Edinburgh International Conference Centre (EICC), Edinburgh in cooperation with the Scottish Government.
46. Sustainability Assessment of Water Policy: Methodology to prioritize actions on a National Irrigation Strategy. Alex Godoy-Faúndez, Lorenzo Reyes-Bozo & Diego Rivera. IARU Sustainability Science Congress taking place in Copenhagen, Denmark from October 22nd - 24th 2014
47. Evaluating the surface modification of sulphides minerals: Zeta Potential Studies. Lorenzo Reyes-Bozo, Pablo Higuera, Alex Godoy-Faúndez, and Ronaldo Herrera-Urbina. Congress Energy and Environment Knowledge Week - E2kW. Toledo, Spain 30th-31st October, 2014.
48. Effect of biosolids and their main components in the concentration of copper sulphide ores. Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, Pablo Higuera and Ronaldo Herrera-Urbina. Proceedings of the XXVII International Mineral Processing Congress, IMPC2014, Chapter 3, pp. 262-27, October 20-24, 2014, Santiago, Chile
49. Use of Biosolids wastes as Froth Flotation Reagents for Copper Sulphides Concentration, Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, José Luis Salazar, Hector Valdés-Gonzalez, Eduardo Vyhmeister, , Pablo Higuera & Ronaldo Herrera-Urbina. The Seventh International Conference, on Environmental Science and Technology, June 9 -13, 2014, Crowne Plaza, Houston, Texas, USA
50. Sustainability Science and Environmental Education in Engineering Education: The role of video games. Alex Godoy-Faúndez and Lorenzo Reyes-Bozo. 2014 AESS Conference: "Welcome to the Anthropocene" will be held at PACE University in New York City, NY on June 11-14, 2014.
51. Sustentabilidad y Gobernanza, Track: Sustentabilidad como pilar de una sociedad democrática: Visiones desde el Cono Sur para siglo XXI. into the Track: Culture, Power and Political Subjectivities for the Latin American Studies Association (LASA). Congress taking place May 21 –24 in Chicago, IL. Chair
52. Emerging Research Issues in Latin American Environmentalism into the Track: Section Presentation (Only Section Chairs) for the LASA2014, Latin American Studies Association (LASA) Congress taking place May 21 –24 in Chicago, IL.
53. Role of biosolids and its main components in the concentration of sulphide ores. Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, Pablo Higuera, Ronaldo Herrera-Urbina. XXVII International Mineral Processing Congress – IMPC 2014. 20-24 October, Santiago, Chile
54. A sustainable froth flotation process: A Chilean case study. Lorenzo Reyes-Bozo, Pablo Higuera, Alex Godoy-Faúndez, José Luis Salazar, Héctor Valdés-González Eduardo Vyhmeister, and Ronaldo Herrera-Urbina. Congress Energy and Environment Knowledge Week - E2kW. Toledo, Spain 20th-22nd November 2013.
55. Use of biosolids and its main component as frothers and collectors for the concentration of copper sulphide ores. Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, Jose Luis Salazar, Héctor Valdés-González, Eduardo Vyhmeister, Ronaldo Herrera-Urbina. 6th International Conference in Sustainable Minerals in the Minerals Industry (SMIDI2013) 30 June-3 July Minos Island, Greece.
56. Use of biosolids and their components as collector reagent for sulfide ore concentration. Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, Jose Luis Salazar, Héctor Valdés-González, Eduardo Vyhmeister, Ronaldo Herrera-Urbina. Copper 2013 International Conference 24-28 November 2013, Santiago, Chile.

57. Carbon Footprint in Public Procurement: A methodology for the measurement of carbon footprint in Public Procurement systems. Sinclair, Santiago; Burr, Guillermo.; Loyola, Claudio and Godoy-Faúndez Alex. 5th International Public Procurement Conference, Seattle, August 17-19, 2012 co-host by the Public Procurement Research Center, School of Public Administration, Florida Atlantic University; and the National Institute of Governmental Purchasing
58. Environmental indicators and Sustainable Development: A Sustainable Model at City of Peñalolen, Santiago, Chile. Alex Godoy-Faúndez, María José Rivero, Felipe Pacheco, Matías Faundes, Lorenzo Reyes-Bozo and Ricardo Cofré. ISWA World Congress 2012 World Congress of International Solid Waste Association, September 17-19, Florence, Italy.
59. Rougher Flotation of Copper Sulfide Ore using Biosolids and Humic Acids. Lorenzo Reyes-Bozo; Ronaldo Herrera-Urbina; Alex Godoy-Faúndez; César Sáez-Navarrete and Rosanna Ginocchio. XXV Interamerican Congress of Chemical Engineering and XVIII Chilean Congress of Chemical Engineering, November 14-17, 2011, Santiago-Chile
60. Sustainable Bioremediation and Industrial Ecology model: A sustainable management alternative for mining industry. Reyes-Bozo, Lorenzo & Godoy-Faúndez, Alex. International Symposium of the Institute of Mining Engineering: Sustainable Development in the Minerals Industry 14-17 June 2011. Aachen, Germany.
61. Conceptual model for technological transfer under a framework of local environmental governance in Chile. Case of Recycling Industry. Godoy-Faúndez, Alex & Reyes-Bozo, Lorenzo. Technology Transfer Society (T2S) Annual Conference, The Entrepreneurial University and Academic Enterprise. The Technology Transfer Society at The George Washington University in Washington, DC. USA. November 12 & 13, 2010.
62. Biosolids as foaming reactive in Froth Flotation process. Reyes-Bozo, Lorenzo; Godoy-Faúndez, Alex; Herrera, Miguel and Ginocchio, Rosanna. The Fifth International Conference on Environmental Science and Technology. American Academy of Sciences. July 12-16, 2010. Houston, Texas, U.S.A.
63. The value on the housing context: Strategies to incorporate green areas in Santiago de Chile. Vargas A., Montecinos W. Godoy-Faúndez A. 16th Annual International Sustainable Development Research Conference 2010, Hong Kong on 30 May-1 June, 2010.
64. Sustainability Science and Environmental Education in Higher Education: A model for Chile. A. Godoy-Faúndez, L. Reyes-Bozo and M. F. Budinich. Earth Charter Day Academic Conference 2009, Eindhoven, the Netherlands, July 2-5, 2009.
65. Environmental Leadership Model and Public Affairs: Relation Mining Industry-University in Bioremediation of Desert Soils at Atacama Desert. A. Godoy-Faúndez, L. Reyes-Bozo, B. Antizar-Ladislao and C. Sáez-Navarrete. Securing the Future. Mining and Metal & Environment in a Sustainable Society and 8th International Conference on Acid Rock Drainage. Skelleftea, Sweden, June 22-29, 2009.
66. Differential metabolic changes in microbial communities, explain the bioremediation of organic contaminants in the Atacama Desert (Chile). A. Godoy-Faúndez, L. Reyes-Bozo, C. Sáez-Navarrete, B. Antizar-Ladislao. 4th European Bioremediation Conference, September 3 to 6, 2008, Chania, Crete, Greece.
67. Differential changes in microbial communities during bioremediation of fuel contaminated desert mining soils in the Atacama Desert. A. Godoy-Faúndez, B. Antizar-Ladislao, L. Reyes-Bozo, C. Sáez-Navarrete. 108th General Meeting in Boston 1-5 June 2008. The American Society for Microbiology
68. Bioremediation of TOCs present in Fuel-contaminated Desert Mining Soil and Sawdust in the Atacama Region (Chile). Alex Godoy-Faúndez; Blanca Antizar-Ladislao; Lorenzo Reyes-Bozo and César Sáez-Navarrete. The 23rd Annual International Conference on Soils, Sediments & Water October 15-18, 2007 University of Massachusetts at Amherst. Proceedings of the Annual International Conference on Soils, Sediments, Water and Energy. Volume 13, Issue 1 Article 4. ISBN-10: 0-9787640-2-1 ISBN-13: 978-0-9787640-2-1
69. Bioremediation of oil-contaminated desert mining soil in the Atacama region (Chile): Ph. D thesis, a tool for environmental management. Alex Godoy-Faúndez; Blanca Antizar-Ladislao; Lorenzo Reyes-Bozo; Andrés Camaño Moreno and César Sáez-Navarrete. Proceeding of the Second International Seminar on Mine Closure. 16-19 October 2007, Santiago, Chile. ISBN 978-0-0984185-0-7.
70. Phenomenological modelling of bioremediation systems for hydrocarbons-contaminated Chilean desert soils. Sáez-Navarrete César, Reyes-Bozo Lorenzo, Godoy-Faúndez Alex. VI LABS- Latin American Biodegradation and Biodeterioration Symposium. "Biotecnología, agricultura y ambiente en el Siglo XXI". Bogotá, Colombia, May 1-4, 2007, International Biodeterioration & Biodegradation 62 (2008) 11-11
71. An exploratory study of peat and sawdust as enhancers in the biodegradation of n-dodecane". Sáez-Navarrete César; Reyes-Bozo Lorenzo y Godoy-Faúndez Alex. XXX Congreso de la Asociación Interamericana de Ingeniería Sanitaria y Ambiental, 26 al 30 de Noviembre de 2006, Punta del Este – Uruguay.

72. Bioventing of soils in the atacama desert contaminated with organic pollutants in closed system: changes in the microbial communities. Godoy-Faúndez Alex; Reyes-Bozo Lorenzo and Sáez-Navarrete César. 11th International Symposium on Microbial Ecology. August 20-25, 2006, Vienna, Austria.
73. Removal of VOCs and SVOCs in desert mining soils: preliminary studies. Godoy-Faúndez Alex; Reyes-Bozo Lorenzo and Sáez-Navarrete César. The Second International Conference on Environmental Science and Technology. American Academy of Sciences. August 19-22, 2006. Houston, Texas, U.S.A. Proceedings of Environmental Science and Technology (II) ISBN-0976885379-ICEST2006-Proceedings-II-Table-of-Contents
74. Ph.D thesis. a tool for environmental management in the mining industry. Godoy-Faúndez Alex; Reyes-Bozo Lorenzo and Sáez-Navarrete César. The Second International Conference on Environmental Science and Technology. American Academy of Sciences. August 19-22, 2006. Houston, Texas, U.S.A. Proceedings of Environmental Science and Technology (II) ISBN-0976885379-ICEST2006-Proceedings-II-Table-of-Contents
75. Biorremediación por compostaje en contenedores aireados de suelos desérticos mineros y aserrín: Estudios de laboratorio Godoy-Faúndez Alex, Reyes-Bozo Lorenzo, Camaño M. Andrés, Sáez-Navarrete. César. VII Congreso SETAC Química y Toxicología Ambiental en América Latina: Desafíos perspectivas y nuevos enfoques Santiago del 16 al 20 de octubre, 2005.
76. Biorremediación aeróbica ex-situ de suelos y aserrines contenidos, contaminados con solventes y aceites en Minera Escondida: Alianza Empresa-Universidad a través de una tesis de doctorado. Godoy-Faúndez Alex, Camaño M. Andrés, Reyes-Bozo Lorenzo, Sáez-Navarrete César. VII Congreso SETAC Química y Toxicología Ambiental en América Latina: Desafíos perspectivas y nuevos enfoques Santiago del 16 al 20 de octubre, 2005.
77. Biorremediación de contaminantes orgánicos complejos en suelos desérticos mineros y aserrín mediante en reactores aireados: Cuantificación de cinéticas degradativas. Reyes-Bozo Lorenzo, Godoy-Faúndez Alex, Camaño M. Andrés\*, Sáez-Navarrete César. VII Congreso SETAC Química y Toxicología Ambiental en América Latina: Desafíos perspectivas y nuevos enfoques Santiago del 16 al 20 de octubre, 2005.
78. Velocidades de (bio)degradación en procesos de bioventilación de mezclas suelo-aserrín contaminados con hidrocarburos complejos. Lorenzo Reyes-Bozo, Alex Godoy-Faúndez, Andrés Camaño<sup>1</sup>, César Sáez-Navarrete. XVI Congreso Chileno de Ingeniería Química, 1- 4 de Noviembre de 2005, Universidad de la Frontera, Temuco Chile.
79. Degradación de COVs y COSVs por bioventilación de mezclas suelos desérticos-aserrín, contaminados con mezclas de hidrocarburos: Cambios en las comunidades microbianas. Godoy F. Alex, Reyes B. Lorenzo, Camaño M. Andrés, Sáez-Navarrete. César. XXVI Congreso Chileno de Microbiología Valparaíso, 1, 2 y 3 de Diciembre, 2004. Sociedad de Microbiología de Chile.
80. Efecto del cambio de porosidad en la biodegradación de COVs y COSVs de suelos desérticos contaminados con mezclas de hidrocarburos. Reyes B. Lorenzo, Godoy F. Alex, Camaño Andrés, Sáez N. César. XXVI Congreso Chileno de Microbiología Valparaíso, 1, 2 y 3 de diciembre, 2004. Sociedad de Microbiología de Chile.

#### **PROCEEDINGS IN ENVIRONMENTAL HEALTH**

81. Respuesta T helper y factores de virulencia en pacientes infectados por *Helicobacter pylori* en Chile: desarrollo de un modelo predictivo mediante ANÁLISIS de regresión múltiple. Serrano C, Valdivia A, Díaz MI, Godoy A, Kirberg A, Hebel E, Fierro J, Klapp G, Rollán A, Venegas A, Harris PR. XVI Congreso Latinoamericano, VII Congreso Iberoamericano y I Congreso Colombiano de Gastroenterología, Hepatología y Nutrición Pediátrica. 22 al 24 de abril de 2005, Cali, Colombia.
82. Caracterización molecular de factores de virulencia de *Helicobacter pylori* y citoquinas regulatorias en pacientes infectados en Chile: desarrollo de un modelo predictivo. Autores: Valdivia A., Serrano C., Díaz M., Godoy A., Kirberg A., Hebel E., Fierro J., Klapp G., Rollan A., Harris P., Venegas A. XXVI Congreso Chileno de Microbiología Valparaíso, 1, 2 y 3 de diciembre, 2004. Sociedad de Microbiología de Chile.
83. Elevación inicial y transitoria de IL-10, pero no de IL-12, en la mucosa gástrica de niños infectados con *Helicobacter pylori*. Einisman H., García D., Riera F., Godoy A., Peña A., Rollán A., Duarte I., Guiraldes E., Harris P. XXX Congreso Chileno de Gastroenterología, 27-29 de noviembre 2003, Viña del Mar, Chile.
84. Respuesta inmune local, edad y patología asociada en pacientes infectados por *Helicobacter pylori*. Einisman H., García D., Arenillas S., Riera F., Godoy A., Zylberberg A., Peña A., Rollán A., Duarte I., Guiraldes E. y Harris P. XXIX Congreso Chileno de Gastroenterología, XIII Congreso Chileno de Endoscopía Digestiva y XI Congreso Chileno de Hepatología, 4-5 de Diciembre 2002, Santiago, Chile. Gastroenterología Latinoamericana, 2002; Vol 13(5): 380.
85. Caracterización serológica de la infección por *Helicobacter pylori* en 80 pacientes chilenos con patología gástrica. Zylberberg A., García D., Einisman H., Riera F., Arenillas S., Godoy A., Peña A., Rollán A., Duarte I.,

- Guiraldes E. y Harris P. XLII Congreso Chileno de Pediatría, 15 de Octubre al 19 de Octubre del 2002. Arica, Chile Rev Chil Pediatr, 2002;73(S):33.
86. "IL-12 and IL-10 expression in gastric mucosa of *Helicobacter pylori* infected children". Harris P, Arenillas S, Godoy A., Peña A, Rollán A, Duarte I, Guiraldes E. Annual Meeting of European Society for Pediatric Gastroenterology, Hepatology and Nutrition, Ginebra, Suiza, Mayo 12 de 2001. J. Pediatr. Gastroenterol Nutr. Abstract, 2001, Vol 32, pp. 358.
  87. Participación de Interleuquina-8 en patología gástrica en niños. Zylberberg A., Godoy A., Arenillas S., Peña A., Bravo R., Guiraldes E. y Harris P. XLI Congreso Chileno de Pediatría, 28 de Noviembre al 21 de Diciembre de 2001. Pucón, Chile.
  88. Differential expression of proinflammatory cytokines in the gastric mucosa of children infected with *Helicobacter pylori*. Harris P., Godoy A., Peña A., Duarte I., Triviño X., Larraín F., Espinosa M., Bravo R., Schultz M., Guiraldes E., World Congress of Pediatric gastroenterology, Hepatology and Nutrition. August 5-9, 2000, Boston, Massachusetts, USA. J. Pediatr. Gastroenterol. Nutr. Abstract, 2000, Vol 31, Supplement 2, S70.
  89. CagA seroprevalence as a virulence marker in Chilean children infected with *Helicobacter pylori*. Harris P., Godoy A., Perez-Perez GI., Guiraldes E. World Congress of Pediatric gastroenterology, Hepatology and Nutrition. August 5-9, 2000, Boston, Massachusetts, USA. J. Pediatr. Gastroenterol. Nutr. Abstract, 2000, Vol 31, Supplement 2, S209.
  90. Rol del TGF- $\beta$  en la supresión de la respuesta inmune local de niños y adultos infectados con *Helicobacter pylori*. Riera F., Godoy A. XLIV Reunión Anual de la Sociedad de Biología de Chile. 6 al 10 de noviembre del 2001. Pucón, Chile. Biological research, Abstract, noviembre 2001, Vol. 34, Nº3-4; R-131.
  91. Expresión diferencial de IL-8, IL-1a y TNF-a en mucosa antral de niños infectados por *Helicobacter pylori*". Godoy A., Harris P. XLIII Reunión Anual de la Sociedad de Biología de Chile. 14 al 18 de noviembre del 2000. Pucón, Chile. Biological research, Abstract, noviembre 2000, Vol. 33, Nº3-4; R-38.
  92. Expresión diferencial de citoquinas proinflamatorias en la mucosa gástrica de niños con gastritis asociada a infección por *Helicobacter pylori*. Guiraldes E., Peña A., Duarte I., Godoy A., Triviño X., Larraín F., Espinosa M., Bravo R., Schultz M., Harris P. XXVI Congreso Chileno de Gastroenterología. 28 al 30 de Noviembre de 1999. Santiago, Chile.
  93. Seroprevalencia de CagA como marcador de virulencia en niños chilenos con infección por *Helicobacter pylori*. Harris P., Godoy A., Perez-Perez GI., Guiraldes E. XXVI Congreso Chileno de Gastroenterología. 28 al 30 de Noviembre de 1999. Santiago, Chile.