

José Dörner

2022 is already gone and we already started 2023. The past year leave us with a lot of research activities in the different countries and the new year offers the opportunity to intensify collaboration between researchers from different countries. In the present ISTRO INFO we inform several meetings and events during 2023 and we invite all ISTRO Members to send us relevant information to be included in the next Newsletters.

We wish you all an excellent 2023!!!

⌘ Young and Early Career Scientists group (YECS).

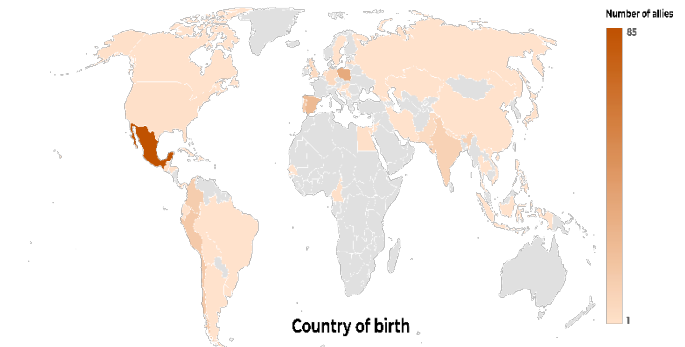
Recently, the IUSS Executive Committee accepted a new Working Group dedicated to the youth as part of its structure. The new Young and Early Career Scientists group (YECS) is a direct result of the 4th International Conference of Young Scientists – Soil in the Environment which was held on 2022 in Toruń, Poland.



The YECS started its activities on September 2022. First, the group positions were approved as follows: Bartłomiej Glina from Poznań University of Life Sciences (Poland) and Axel Cerón González from National Autonomous University of Mexico (Mexico) as chair and vice-chair, respectively. Secondly, Marcin Sykuła from Nicolaus Copernicus University in Toruń (Poland) designed the YECS logo.



Since October 2022, YECS called global young and early soil scientists to join the group. So far, more than 281 people from 46 countries have registered.



Furthermore, YECS allies are involved in social media management: Mariana Tovar (Mexico), Jorge Ivelic (Chile) and Danish Toor (Turkiye). Finally, in the framework of the World Soil Day 2022, YECS allies promoted the group in several events.

Jorge Ivelic Sáez promoted the group during the **XIV Chilean Congress of Soil Science in Chile**.

Daniela Bobadilla Ballesteros organized on December 5th the **International Young Scientists Symposium in Mexico**.

Axel Cerón González spread the group basis on December 5th during the **World Soil Day 2022 Celebration in Thailand**.

Axel also gave a speech about “Youth security” on December 15th during the **United Nations’ World Soil Day 2022 Celebration in the United States**.

The YECS will continue working on reaching regions in the world where soil science is not that common. Join the YECS group!

Facebook @yec.s.iuss

Instagram @yec.s.iuss

Twitter @yec.s.iuss

LinkendIn YECS IUSS

iuss.youngss@gmail.com

⌘ Working Group F

Working Group F

Visual Soil Examination and Evaluation conducted a series of three webinars in 2022 in June, September and November, which included the following presentations.

'Effect of soil structure on root exploration of wheat after 15 years of conservation agriculture in organic farming' - Joséphine Peigne - Agroecology and Environment unit ISARA – France.

'Using Visual Soil Evaluation methods to inventory soil quality across soil textures and degradation levels' - Lin Lin, from Ghent University - Belgium.

'Visual evaluations as a basis for soil physical quality limit values' - Alice Johannes - Agroscope – Switzerland.

VESS as part of soil quality indicators and links with soil biology" - Paul Hargreaves - Scotland's Rural College – UK.

Due to the productive nature of the series, the group is planning to organise further online webinars in 2023.

For more information, please contact Dr. Rachel Guimaraes (rachelguimaraes@utfpr.edu.br).

Working Group K

Controlled Traffic Farming WG aim to have 3 invited presentations delivered in the course of 2023 – tentatively these could be in May, July, and Sept.

More details of speakers and the title of the presentations will be included in the next Newsletter.

For more information, please contact Dr. Diogenes Antille (Dio.Antille@csiro.au).

⌘ Upcoming Meetings and Events

2023

January-December

January

4th SUITMA Seminar Friday, 13. January 2023 to Friday, 13. January 2023. Toruń, Poland. Deadline for registration with presentation (abstracts up to 300 words) - December 15th, 2022. Read more: <https://sites.google.com/site/suitmaseminar/home>

January 2023 "GSBI Speaks!". Wednesday, 18. January 2023 to Wednesday, 18. January 2023. Online, 08:00 Mountain|10:00 Eastern|15:00 UK|16:00 Central Europe. Registration: https://zoom.us/webinar/register/1616696718964/WN_ahkxj2d9QYGk9boxVL4GsA

February

Workshop Soil Mapping for a Sustainable Future. Tuesday, 7. February 2023 to Thursday, 9. February 2023. Location: Orléans, France. Webpage: <https://www.lestudium-ias.com/event/soil-mapping-sustainable-future>

March

Third Global Soil Biodiversity Conference-13-15 March 2023. Dublin, Ireland. Webpage: <https://gsb2021.ie/>.

GSB3 Demonstration Event - Farming for soil health: Building resilient agricultural systems from the ground up. Thursday, 16. March 2023 to Thursday, 16. March 2023. Location Wexford, Ireland. Further details on registration available shortly at <https://gsb2023.org/>

17th International Symposium on Soil and Plant Analysis-ISSPA. Analytics for a sustainable agriculture under climatic change. Tuesday 21 to Friday 24 2023. Concepción, Chile. Webpage: <https://isspa2023.cl/>

Intersol 2023 - Soil: a springboard for the transition of territories. Tuesday, 28. March 2023 to Thursday, 30. March 2023. Location Lille, France. Deadline for

submission of papers: December 12, 2022. Webpage:
<https://www.webs-event.com/en/event/intersol/>

May

BONARES Conference 2023 - Soil as a Sustainable Resource. 15-17 May 2023. Berlin, Germany. Abstract submission deadline: January 10, 2023. Webpage: www.bonares2023.de

InterPore2023. Monday, 22. May 2023 to Thursday, 25. May 2023. Location Edinburgh, Scotland. Deadline for submitting abstracts: Monday, 12 December 2022. Webpage: www.interpore.org/2023

June

Global Conference on Sandy Soils. Sunday, 4. June 2023 to Thursday, 8. June 2023. Location: Madison, Wisconsin, USA. Webpage: <https://sandysoils.org/>

5th WASWAC World Conference - Adaptation strategies for soil and water conservation in a changing world. 19 - 23 June 2023. Palacký University, Olomouc, Czech Republic. First announcement: https://www.iuss.org/media/waswac_conference.pdf. The second announcement will be made in early January 2023.

4th Global Soil Security Conference (GSS2023) - Global Soil Security: Beyond the Soil. Monday, 26. June 2023 to Thursday, 29. June 2023. Location Seoul, Korea. Deadline for Abstract submission: March 31, 2023. Deadline for registration: June 16, 2023. Webpage: <https://www.gss2023.org>

July

28th IUGG General Assembly. 11-20 July 2023 Berlin, Germany. Webpage: <https://www.iugg2023berlin.org/>

XXIII Latin-American Congress of Soil Sciences (XXIII CLACS). Sunday, 30. July 2023 to Friday, 4. August 2023. Location: Florianópolis, Brasil. Webpage: <https://www.slcs.org.mx/>

August

Wageningen Soil Conference 2023 - working together on solutions for a sustainable world. Tuesday, 29. August 2023 to Friday, 1. September 2023. Wageningen, the Netherlands. Deadline for abstracts: April 17, 2023. Webpage: <https://wageningensoilconference.eu/2023/>

September

SUITMA 12 Conference. Monday, 4. September 2023 to Thursday, 7. September 2023. Santiago de Compostela, Spain. Abstract submission: 15 March 2023. Early bird registration: 15 May 2023. Webpage: <https://www.suitma12.com/>

2024

January-December

ISTRO Conference. Location: Virginia Tech, Virginia, USA. Date have not been settled yet. More information soon in <https://istro.org/>

May

Centennial Celebration and Congress of the IUSS 100 years of soil science - past achievements and future challenges. Sunday, 19. May 2024 to Tuesday, 21. May 2024. Location: Florence, Italy. Webpage: <https://centennialius2024.org/>

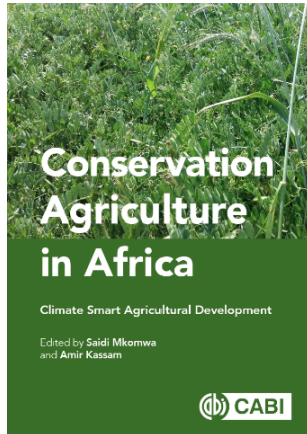
October

ISMOM 2024 - 9th International Symposium of Interactions of Soil Minerals with Organic Components and Microorganisms. Thursday, 10. October 2024 to Monday, 14. October 2024. Tsukuba, Japan. Webpage: <http://web.agr.ehime-u.ac.jp/~soil/ISMOM2024.html>

New Books

Conservation Agriculture in Africa

Editors: Saidi Mkomwa, Amir Kassam

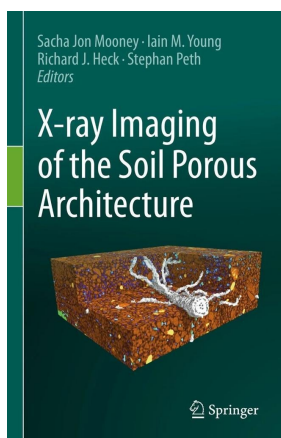


Tillage agriculture has led to widespread soil and ecosystem degradation globally, and more particularly in the developing regions. This is especially so in Africa where traditional agricultural practices have become unsustainable due to severe exploitation of natural resources with negative impacts on the environment and food system. This book is aimed at all agricultural stakeholders in the public, private and civil sectors in Africa engaged in supporting the transformation of conventional tillage agriculture to Conservation Agriculture.

More information on following this [Link](#)

X-ray Imaging of the Soil Porous Architecture

Editors: Sacha Jon Mooney, Iain M. Young, Richard J. Heck, Stephan Peth.



Summarizes almost 40 years of research in the area of X-ray CT imaging of soils. Introduces best practices for both image acquisition and analysis Includes

detailed examinations of different software packages for X-ray CT analysis.

More information on following this [Link](#)

Global status of black soils

Editors: FAO

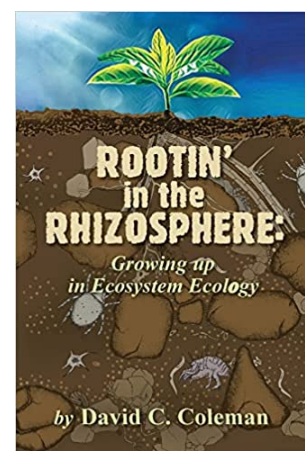


This report provides strategic information about the distribution, state and management of black soils and can guide decision-making regarding the sustainable management and conservation of black soils. One of the main recommendation of this report is the establishment of a global agreement for the sustainable management (for conservation, protection and production) of black soils.

More information on following this [Link](#)

Rootin' in the Rhizosphere: Growing up in Ecosystem Ecology

Editors: David C. Coleman



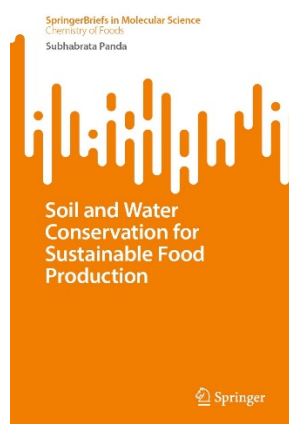
David Coleman is the David Attenborough of the Rhizosphere, exploring the upper layer of the ground on which we tread, the ground all of us tread. His

expertise has taken him, quite literally, around the world, from New Mexico to New Zealand, from Stockholm to Saskatchewan. Root with him in the soil of his life, ride the rails, enjoy the experiences of a soil pioneer and heed his call for responsible stewardship of the planet we all occupy.

More information on following this [Link](#)

Soil and Water Conservation for Sustainable Food Production

Editor: Subhabrata Panda

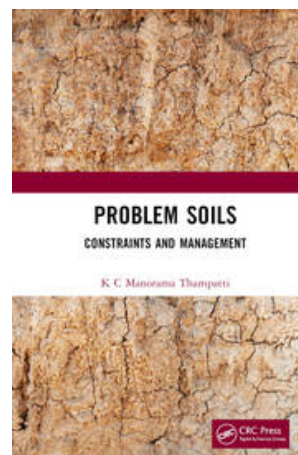


This book addresses the impact of soil and water quality on food production and explores soil and water conservation measures to be applied at farm level for agricultural sustainability. Divided into 8 chapters, the book covers topics such as soil properties responsible for soil loss, the impact of climate change, water and biological factors on soil chemistry, the effect of soil on the quality of water including sustaining aquaculture productivity and environment of wetlands, soil and water qualities necessary for irrigation, management of soil organic carbon, and the importance of soil moisture conservation including agroforestry for food production.

More information on following this [Link](#)

Problem Soils. Constraint and Management.

Editor: K C Manorama Thampatti

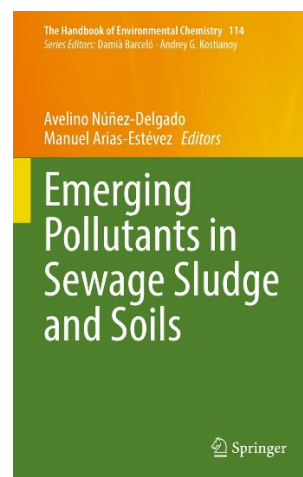


This is a unique book that deals with the problem soils, their constraints and management in the Indian context. In India, there is widespread occurrence of soils with different types of constraints for crop production. Such soils are popularly called as “Problem Soils”. Cultivation in these soils is not so easy as several problems must be tackled during cultivation. It may be either soil draughtiness or acidity or salinity etc. An attempt has been made in this book to cover most of the problematic soils in India.

More information on following this [Link](#)

Emerging Pollutants in Sewage Sludge and Soils

Editors: Avelino Núñez-Delgado, Manuel Arias-Estévez.

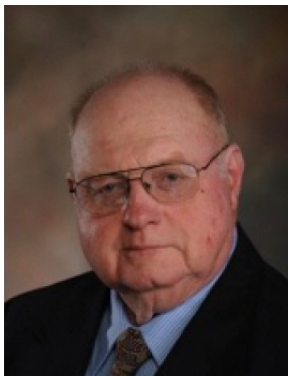


This book provides an authoritative overview of emerging pollutants in sewage sludge and soils. It traces the latest research and new trends on the characterization, removal and treatment of such pollutants in urban and industrial sewage sludge and soils. The book covers topics such as antibiotic

resistance, fate, and environmental impact of contaminants of emerging concern, environmental transmission of human pathogenic viruses and their effect on soil, and the repercussion of various emerging pollutants on biodiversity. It also offers a case study of the epidemiology-based surveillance of SARS-CoV-2 in wastewater and sludge.

⌘ Obituary

**Clarence Eugene Johnson (November 1st, 1941-
July 7th, 2022)**



Clarence Eugene Johnson was born November 1, 1941, in Elk City, Oklahoma. He passed away July 7, 2022, at Great Plains Medical Center in Elk City. Following his graduate education at Iowa State, Clarence accepted an Associate Professorship in Agricultural Engineering at South Dakota State University in Brookings, South Dakota. Early in 1977 he became an Engineering Researcher for the USDA Agricultural Research Service in Pendleton, Oregon. In 1979 he became a Professor of Biosystems Engineering at Auburn University in Auburn, Alabama.

He continued in that capacity until his retirement in 1998. Upon his retirement he was awarded Professor Emeritus from Auburn University. Clarence gained notoriety in many areas of his field, including authoring and Co-authoring numerous technical and research papers. Teaching, helping, and mentoring many students and graduate students in their study. Consultant for Engineering Design in Patents, Farm Machinery, Soil Dynamics, and Design and Analysis of Agricultural Machinery Components. Awarded the prestigious John Deere Gold Metal Award in 2010

During 2022 passed also away Inge Håkansson, Swedish soil scientist (1929 – 2022). A special obituary will be included in the next ISTRO INFO.

ISTRO INFO is the newsletter of the **International Soil Tillage Research Organisation** (www.istro.org).

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