European Sustainable Phosphorus Platform

OCP

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Benguerir
Morocco
24-26 November
2026

ESPC6

European Sustainable Phosphorus Conference

Sustainable Phosphorus: Innovation, Efficiency And Circularity

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ESPC 6 Home Page →

Venue: University Mohammed VI Polytechnic (UM6P), Benguerir, Morocco

Pre-Conference *(for confirmed registrants only)*

Young Phosphorus Day - Monday, 23 November

Venue: Room Nairobi, Green center, University Mohammed VI Polytechnic (UM6P)

09:30 – 09:45	Welcome address by UM6P and the organizers
09:45 – 10:30	**"Pitch your Phosphorus"**
10:30 – 11:00	**Coffee Break & Poster Marketplace**
11:00 – 11:30	**Phosphorus Memes :** Anonymous meme presentation
11:30 – 12:45	**Panel discussion with experts: "Increasing the impact of phosphorus research"** - Bruno Gérard, Dean, College of Agriculture and Environmental Sciences, University Mohammed VI Polytechnic (UM6P), Morocco. - Gerd Dercon, Head of Soil and Water Management and Crop Nutrition Laboratory, Joint FAO/IAEA Centre of Nuclear Techniques in Food and Agriculture, Austria. - Aniss Bouraqqadi, Head of Agronomy, OCP Nutricrops - Paulo Sérgio Pavinato, Associate Professor, Department of Soil Science, Luiz de Queiroz College of Agriculture (ESALQ), University of São Paulo, Brazil. - Dr. Malika M. Mezeli – Honorary Researcher, Lancaster Environment Centre, Lancaster University, United Kingdom.
12:45 -14:00	**Lunch**
14:00 – 15:30	**"Phosphorus without borders": Thematic working groups** Emphasis on Africa–Europe perspectives and resource-constrained contexts
15:30 – 16:00	**Coffee break**
16:00 – 16:45	**Panel discussion: "Sustainable Phosphorus Perspectives: Bioeconomy, Circularity and Sustainable Value Chains"** - Henrique Rasera Raniro, Postdoctoral Researcher, Department of Plant and Environmental Sciences, University of Copenhagen, Denmark; EU Bioeconomy Youth Ambassador. - Olivier Horner, Head of Research, UM6P Global Hubs, France. - Zineb Jabri, Head of strategic regulatory affairs, OCP Group
16:45 – 17:00	**Closing Remarks** – by Joann Karen Whalen, Professor of Soil Ecology, UM6P; James McGill Professor, Department of Natural Resource Sciences, McGill University.
17:30	**Networking & Cocktail Dinner** (exclusively for participants of the Young Phosphorus's Day)

Benguerir Morocco 24-26 November 2026 | ESPC6 | European Sustainable Phosphorus Conference

Day 1 — Tuesday, 24 November

Venue: Ibnou Rochd Amphitheatre, University Mohammed VI Polytechnic (UM6P)

08:00 – 09:00	Registration & Welcome Coffee
09:00 – 09:15 **Ibnou Rochd Amphitheatre**	**Opening -** Manal Bernoussi, Moderator **Opening remarks and Keynote** Opening addresses: - University Mohammed VI Polytechnic University (UM6P) – Abdelhadi Sohib, Director General / Vice-Chancellor - European Sustainable Phosphorus Platform (ESPP) - Ludwig Hermann, Secretary - OCP Group - Meriem El Asraoui, Chief Global Affairs Officer
09:15 –09:30 **Ibnou Rochd Amphitheatre**	**Keynote on Food Security and the Importance of Nutrients** - International Atomic Energy Agency (IAEA) - Najat Mokhtar, Deputy Director General
09:30 –09:45 **Ibnou Rochd Amphitheatre**	**Keynote on The Role of Nutrients in Feeding the World** International Fertilizer Development Center (IFDC) - Henk van Duijn, President and Chief Executive Officer
09:45 – 11:00 **Ibnou Rochd Amphitheatre**	**Morning Plenary —The Strategic Role of Phosphorus** - Sabancı University - İsmail Çakmak - European Commission, DG Agriculture and Rural Development (DG AGRI) - Stephanos Kirkagaslis - International Fertilisers Association - Achim Dobermann - CRU International - Maria Gamboa
11:00 – 11:30	**Coffee Break**
11:30 – 13:00	**Parallel Sessions A** **Session A.1** — Closing the Phosphorus Loop: Recovery and Recycling [I] **Ibnou Rochd Amphitheatre** **Session A.2** — Climate Change & Phosphorus **Room Al Khawarizmi** **Session A.3** — Phosphorus Management and Applications **Room Ibn Tofail** *(see Parallel Sessions — Detailed Programme, below)*

13:00 – 14:00	**Networking Lunch & Poster exhibition**
14:00 – 15:30	**Parallel Sessions B** **Session B.1** — Phosphorus for Sustainable and Resilient Food Systems **Room Ibn Tofail** **Session B.2** — Closing the Phosphorus Loop: Recovery and Recycling [II] **Room Al Khawarizmi** **Session B.3** — Global Phosphorus Institute Session: Phosphorus Stewardship in Action - African Experiences and Global Perspectives **Ibnou Rochd Amphitheatre** *(see Parallel Sessions — Detailed Programme, below)*
15:30 – 16:00	**Coffee Break**
16:00 – 17:15 **Ibnou Rochd Amphitheatre**	**Afternoon Plenary — Phosphorus applications: challenges and perspectives** - The World Farmers' Organisation (WFO) - Andrea Porro - Phosphate Industry Expert - Willem Schipper - OCP Nutricrops - Leonardus Vergutz - RagnSells Group - Pär Larshans - INNOVX - Abdelghani El Kacimi
17:15 – 17:50 **Ibnou Rochd Amphitheatre**	**Innovators' Pitch: Sustainable Phosphorus Solutions from:** BETA, Emter GmbH, NuReSys, Prayon, OCP-Al Moutmir, Re-Cord, Wetsus
17:50 – 18:30	**Reception and poster exhibition**
19:00 **Student Center**	**Gala Dinner in Student Center- UM6P – Benguerir Campus** Networking sessions and Poster Awards ceremony

Day 2 — Wednesday, 25 November

08:00 – 09:00	**Welcome Coffee**
09:00 – 10:40 **Ibnou Rochd Amphitheatre**	**Morning Plenary — Phosphorus and the Environment: From Science to Action** - European Commission Joint Research Centre - Elise van Eynde - European Centre for Research and Teaching in Environmental Geosciences (Cerege) - Daniel Nahon - University Mohammed VI Polytechnic (UM6P) - Joann Karen Whalen - BDO Trade & Customs, jointly with SILC Fertilizzanti - Paola Levato - INRA, FAO - Rachid Moussadek
10:40 – 11:10	**Coffee break**
11:10 – 12:50 **Ibnou Rochd Amphitheatre**	**Morning Plenary — Phosphorus Reuse and Recycling: Scaling Circularity** - European Commission Joint Research Centre - Lukas Egle - Ramboll - Manon Cavagna - German Federal Environment Agency (UBA) - Andrea Roskosch - EFCI, Notified Body for the EU Fertilising Products Regulation - Simonetta Gallerini - European Biogas Association - Lucile Sever
12:50 – 14:00	**Networking Lunch and Poster exhibition**
14:00 – 15:30	**Parallel Sessions C** **Session C.1** — Closing the Phosphorus Loop: Recovery and Recycling [III] **Ibnou Rochd Amphitheatre** **Session C.2** — Climate, Soils and Phosphorus Dynamics **Room Fatima Al Fihria** **Session C.3** — Aligning Innovation and Industry **Room Al Khawarizmi** **Session C.4** — African Plant Nutrition Institute (APNI) session: Phosphorus Management for Sustainable Agriculture: Research and Field Lessons from Africa and Europe **Room Ibn Tofail** *(see Parallel Sessions — Detailed Programme, below)*
15:30 – 16:00	**Coffee Break**
16:00 – 17:00 **Ibnou Rochd Amphitheatre**	- Reports on the parallel sessions - Statements on the ‘Young Phosphorus Day’ outcomes: Key Research Priorities for the Phosphorus Value Chain
17:00 – 17:15	**Closing Ceremony and Acknowledgements**

Day 3 — Thursday, 26 November

Technical Site Visit — OCP Benguerir Mine & UM6P

Participants will have the opportunity to discover OCP's mining and phosphate processing operations, as well as UM6P's research and innovation facilities, highlighting the links between phosphorus production, circularity and sustainable agriculture.

Participation is strictly limited to confirmed registrants due to limited capacity.

The detailed programme and logistical arrangements is shared directly with confirmed participants.



Parallel Sessions — Detailed Programme

Parallel Sessions A - Day 1, 11:30 – 13:00

Closing the Phosphorus Loop: Recovery and Recycling [I]

Day 1
11:30 – 13:00

Ibnou Rochd Amphitheatre

Moderator:
Alexandre Galí (BETA)

Rapporteur:
Linda Müller (RPTU)

Jouke Boorsma (Aquaminerals)
Unlocking the value of vivianite from wastewater: bridging product quality, market uptake and regulatory barriers

Hugo Quintana (Cetaqua)
Circular phosphorus recovery from residual streams: development of a cascade precipitation technology for fertiliser valorisation

Joan Antoni Baeza Labat (Universitat Autònoma de Barcelona)
Phosphorus Recovery Potential from Municipal Wastewater via Side-Stream Enhanced Biological Phosphorus Removal

Andreas Kolb (University of Braunschweig)
Results from the first full-scale trials of struvite precipitation following biological phosphorus remobilisation at two municipal WWTPs

Philip Demling (RWTH Aachen)
Creating commercial incentive for phosphate recycling: Biotechnological production of high-value polyphosphates with baker's yeast

Climate Change and Phosphorus

Day 1
11:30 – 13:00

Room Al Khawarizmi

Moderator:
Veronica Santoro (ESPP)

Rapporteur:
Andreea Gavril (Babeș-Bolyai University)

Soufiane Ayoube (UM6P)
Global climate change impacts on phosphorus and carbon biogeochemical cycles and phosphate deposition

Nathan Schunk (North Carolina State University)
Projecting the Global Consequences of Phosphorus Scarcity: Comparing Price Shocks and Supply Constraints in Agricultural Systems

Solvita Kostjukova (University of Latvia)
Natural Mineral Sorbents for Phosphorus Recovery from Open Water Systems and Circular Reuse in Agriculture

Jakub Brom (University of South Bohemia)
RUSALKA: An information system for phosphorus balance assessment in fishpond management

Phosphorus Management and Applications

Day 1
11:30 – 13:00

Room Ibn Tofail

Moderator:
Safaa Mabroum (UM6P)

Rapporteur:
Barbara Fojkar (University of Lubljana)

Xiu Gao (KTH)
Phosphorus Flows Driven by the Seaweed Industry in China: A Multi-Decade Analysis with AI-Based Scenario Exploration

Jan Weigand (TU Dresden)
From Phosphate Rock to Chemicals: Redox-Neutral Pathways for a More Sustainable Phosphorus Value Chain

Lucia Zuin (Canadian Light Source)
Why would you want to use a Synchrotron for your Phosphorus study?

Xiao Yang (Westlake University)
Production of high-purity white phosphorus in molten CaCl2

Zhengyang Zhang (Tohoku University)
Phosphorus Flows in Emerging Battery Technologies

Parallel Sessions B — Day 1, 14:00 – 15:30

Phosphorus for Sustainable and Resilient Food Systems, incl. Fertilizers

Day 1
14:00 – 15:30

Room Ibn Tofail

Moderator:
Saloua Fertahi (UM6P)

Rapporteur:
Henrik Nørskov Pedersen (SEGES Innovation)

Nicolai Jablonowski (FZ Jülich)
Sustainable Plant Production via Improved Sulfur/Phosphorus Fertilization: Development of Multifunctional Composite Fertilizers for Enhanced Nutrient Use Efficiency

Yahaya Mohammad Yusuf (UM6P)
How the Rhizosphere Chemistry Explains the Effectiveness of Radish in Reclaiming Legacy Phosphorus Compared to Maize

Paulo Pavinato (University of São Paulo)
Long-term phosphorus management enhances crop productivity and improves its availability under no-tillage in the Brazilian Cerrado

Henrique Raniro (University of Copenhagen)
Improving recycled phosphorus fertilizer efficiency through (bio)acidification and targeted application strategies

Closing the Phosphorus Loop: Recovery and Recycling [II]

Day 1
14:00 – 15:30

Room Al Khawarizmi

Moderator:
Christina Zipp (RPTU)

Rapporteur:
Andreas Kolb (TU Braunschweig)

Alba Ceballos-Escalera (University of Girona)
Pilot plant for phosphorus recovery from wastewater sludge: Electrochemical crystalliser for efficient struvite formation

Michael Renz (Polytechnic University of Valencia)
Recovery of phosphorus from the Organic Fraction of Municipal Solid Waste and its classification according to EU regulation of fertilizing products

Yuwei Huang (Wetsus)
Post-regeneration neutralization stabilizes phosphorus recovery from Ca- and NOM-rich waters

Yariv Cohen (EasyMining)
Building the world's first Ash2Phos plant in Schkopau, Germany

Mohamed Takhim (TTBS)
From Waste to Resource: Pilot Validation and Industrial Upscaling of the RubiPhos® Circular Phosphorus Recovery Technology

Global Phosphorus Institute (GPI) session:

Phosphorus Stewardship in Action: African Experiences and Global Perspectives

Day 1
14:00 – 15:30
Ibnou Rochd Amphitheatre

Moderator: **Ede Ijjasz**

14:00–14:05 | Opening remarks and session framing, **Mamou Ehui, Executive Director, GPI**

14:05–14:45 | From Evidence to Strategic Choices

· Alliance for a Green Revolution in Africa (AGRA) - Tilahun Amede
· Danube University — Gerald Steiner
· International Fertilizer Development Center (IFDC) - Henk van Duijn

14:45–15:25 | From African Priorities to Regional and Global Cooperation

· European Sustainable Phosphorus Platform (ESPP) - Hermann Ludwig
· African Phosphorus Platform for Food Security (APPFS) - Manyewu Mutamba
· Sustainable Phosphorus Alliance (SPA) - Matthew Scholz
· Africa Fertilizer Industry Development Association (AFIDA) - Innocent Okuku

15:25–15:30 | Synthesis and closing reflections

Rapporteur: **Mamou Ehui**

Parallel Sessions C — Day 2, 14:00 – 15:30

Closing the Phosphorus Loop: Recovery and Recycling [III] Day 2 14:00 – 15:30 **Ibnou Rochd Amphitheatre** --- **Moderator:** **Chris Thornton (ESPP)** **Rapporteur:** **R: Sander Harink (Waterschap Drents Overijsselse Delta)**	**Christina Zipp (University Kaiserslautern)** Experimental and Model-Based Design of Phosphate Recovery in Fixed Beds **Andrea Salimbeni (Re-Cord)** Extraction of phosphorus from pyrolysis char: comparison of two innovative processes (pending administrative confirmation) **P. de Jaeger (Aquacare)** Pilot study: high-performance phosphorus removal from WWTP effluents using the BioPhree® technology **Alexandre Galí (BETA)** Assessment of phosphorus extraction and recovery strategies from agrowaste digestate.
Climate, Soils and Phosphorus Dynamics Day 2 14:00 – 15:30 **Room Fatima Al Fihria** --- **Moderator:** **Nicolai David Jablonowski (FZ Jülich)** **Rapporteur:** **Asbjørn Krarup Grønbæk (University of Copenhagen)**	**Ingeborg Pedersen (Aarhus University)** Improving Phosphorus Fertilization Decisions in Acid Sandy Soils: The Value of $CaCl_2$-Extractable P Beyond Olsen-P **Berta Singla (Beta)** Effect of carbon availability, phosphorus and soil water content on GHG emissions: insights from a soil incubation study **Khaled Alotaibi (King Saud University)** Phosphorus Management in Arid Soils: Integrated Approaches for Sustainable P Use **Joerg Schaller (Leibniz Centre for Agricultural Landscape Research (ZALF))** Managing reactive silica reduces the need for phosphorus fertilizer and improves sustainable crop production
Aligning Innovation and Industry Day 2 14:00 – 15:30 **Room Al Khawarizmi** --- **Moderator: Zineb Jabri (OCP)** **Rapporteur:** **Manan Sawhney (NuReSys)**	**Andrey Stephan Siahaan (Tohoku University)** RinPhos Process: Progress and Implementation toward Circular Phosphorus Economy **Hanae Zouiti (UM6P)** Three dimensions for evaluating circular economy transition in the phosphate mining value chain: A review **Aalaa Moussaid El Idrissi (UM6P)** Conversion of Phosphogypsum into value-added products **Axel Yakub (TechnoPhos) & Kevin De Bois (Prayon)** Smart Mining Solutions for Cadmium and Organic Matter Reduction in Phosphate Rock: a collaborative technology development by TechnoPhos and Prayon Technologies

African Plant Nutrition Institute (APNI) session:

Phosphorus Management for Sustainable Agriculture: Research and Field Lessons from Africa and Europe

Day 2
14:00 – 15:30

Room Ibn Tofail

Moderator and Rapporteur: **Kaushik Majumdar**,
Director General, African Plant Nutrition Institute (APNI)

Speakers:

- **André Bationo – International Fertilizer Development Center (IFDC)**
  Sustainable Phosphorus Use and Crop Production in Africa
- **Tom Schut – Wageningen University & Research**
  Phosphorus Management in Europe and Africa: Contrasting Challenges and Opportunities for Sustainable Stewardship
- **Shamie Zingore – African Plant Nutrition Institute (APNI)**
  Improving Phosphorus Use Efficiency in African Farming Systems: From Research Evidence to Scalable Solutions



Poster Exhibition

1. **High-precision cadmium isotope analysis in phosphate fertilizers: A new tool for source tracing and environmental monitoring**
   Fatiha Abrar (UM6P)
2. **Cassava yield response to sources and rates of fertilizer P in a high rainforest zone of Southwest Nigeria**
   Vincent O. Aduramigba-Modupe
3. **Strategic Valorization of Marl Waste from Phosphate Mining for Sustainable Agricultural Applications**
   Taha Afar (UM6P)
4. **Machine Learning-Assisted Genome Screening to Identify Microbial Candidates for Phosphorus Recovery From Wastewater stream**
   Wedad Ahmed (Helmholtz Centre for Environmental Research - UFZ)
5. **Multifunctional and sustainable agricultural inputs through the co-integration of phosphorus and biomass**
   Asmae Ait Sidi Ali (UM6P)
6. **Effects of Long Term Phosphorus Fertilization and Liming on Grain Yield, Macro- and Micronutrient Uptake, and Nutrient Use Efficiency in the Acidic Soils of Livada, Romania**
   Ursan Andrei (A.R.D.S. Livada), presented by Driss Touhami
7. **Interventions for Phosphorus cycling in Arid Cropping Systems Codesign and Soil Health Stewardship: On Targets and Misses**
   Dennis Ashilenje (UM6P)
8. **Integrated Phosphate Rock Application and Legume Companion Cropping for Enhanced Zucchini (Cucurbita pepo L.) Yield and Phosphorus Dynamics in Semi-Arid Conditions**
   Ayoub Bendamou (UM6P)
9. **Response-Aware Agronomic Representation Learning for Similarity-Based NPK Recommendation**
   Ismail Ben Seddik (UM6P)
10. **How do Si-enriched TSP granules shape phosphorus release and microscale P distribution in a tropical Oxisol**
    Kaoutar Benghzial, UM6P
11. **Bacterial consortia inoculation drives stage-specific benefits to enhance soil fertility and crop productivity in cereal-legume intercropping systems under low water and P-availability**
    Bouchra Benmrid (Aarhus University)
12. **From Phenotyping to Molecular Signaling: Mapping Pathways of Wheat Adaptation to phosphorus Deficiency**
    Ghalia Bouaoui (UM6P)
13. **Innovative Nutrient Recycling through Black Soldier Fly (Hermetia illucens) Rearing: Comparison of three Organic Waste Substrates—Vegetable scraps, dried bread, and their Mixture**
    Moussa Bouray (UM6P)
14. **Evaluation of Olive Pomace–Derived Biochar as an Adsorbent for Phosphorus Recovery**
    Moussa Bouray (UM6P)

15. **Phosphate solubilizing microorganisms modulate stage-specific microbiome dynamics to enhance the agro-physiological and symbiotic performance of chickpea plants under low-P conditions**
    Hicham Chaouki (UM6P)

16. **Rhizosphere-Mediated Mobilisation of Legacy Phosphorus by Legume-Cereal Intercropping and Nitrogen Fertilisation**
    Oliver Lindunda Daka (Aarhus Universitet)

17. **Linking phosphorus solubilizing bacteria activity in uncultivated soils, key gene abundance and soil chemical properties**
    Anwar Dawas (Volcani Institute; Ben Gurion University of the Negev)

18. **Ecological extraction of rare earth elements from Moroccan phosphogypsum: a multi-step approach**
    Hassan Drif (UM6P)

19. **Native Plant Rhizospheres as Reservoirs of Functional Actinobacteria for Phosphorus Recovery and Carbon Stabilization in Post-Phosphate Mining Soils**
    Hicham El Hasni (UM6P)

20. **Spatially Constrained Machine Learning for PRISMA-Based Lithological Mapping of Phosphate Mine Waste Rocks**
    Abdelhak El Mansour (UM6P)

21. **Modeling nutrient release kinetics in controlled release fertilizers**
    Saloua Fertahi (UM6P)

22. **Simultaneous aerobic stabilisation of sewage sludge and chelator-assisted removal of toxic metals in a closed-loop process**
    Barbara Fojkar (University of Ljubljana, Biotechnical faculty)

23. **NPK Agent: A hybrid agentic system for structured NPK recommendation and yield prediction**
    Conité Gbodogbe (UM6P)

24. **Assessment of the Potential for Phosphate Recycling from Sewage Sludge in Wastewater Treatment Plants (WWTPs) in Israel**
    Faina Gelman (Geological Survey of Israel)

25. **Foliar acquisition of dust-derived phosphorus in crops: the role of leaf-surface traits and phyllosphere bacteria**
    Elnatan Golan (Volcani Institute; Ben Gurion University of the Negev)

26. **Evaluating phosphorus leaching and crop productivity following application of biochars in two common Danish soil types**
    Asbjørn Grønbæk (University of Copenhagen)

27. **Towards Circular Moroccan Phosphate Rock Processing through the Nitric Acid Route**
    Khaoula Homir (UM6P)

28. **Integrated use of compost, phosphate solubilizing bacteria, and phosphate rock enhances blue panicgrass growth and phosphorus availability under salinity stress.**
    Maryame Itbouih (African Sustainable Agriculture Research Institute)

29. **An Alternative HF-Based Route for the Production of High-Purity Phosphoric Acid from Phosphate Rock**
    Abdessamad Jouira (UM6P)

30. **Design and Synthesis of Novel Bioactive Nucleoside Analogues Integrating Heterocyclic Scaffolds.**
    Nouhayla Lamrani (UM6P)

31. **Optimization of TSP Triple Superphosphate quality through advanced catalytic approaches**
    Salma Ltarche (Materials Science & Nanoengineering (MSN))

32. **Phosphate-Mediated Fluorine Transfer from Fluorosilicic Acid**
    Bohe Maouloud (UM6P)

33. **Novel opportunities for WWTPs: Recovery of P-based fertilizers from urban wastewater**
    Kevin Molina, presented by Hugo Quintana (CETAQUA)

34. **Dezentralized Phosphorus Recovery from Hydrolyzed Urine via Struvite Precipitation and Downstream Nitrogen Management**
    Carlo Morandi, presented by Linda Müller (University of Kaiserslautern)

35. **Influence of Calcium on recovered Phosphorus-Fertilizer from sewage sludge**
    Linda Müller (University of Kaiserslautern)

36. **Development of Bioactive Organo-Phosphorus Compounds: Expanding Morocco's Phosphate Applications in Medicinal Chemistry.**
    Jawad Ouhsa (UM6P)

37. **Phosphorus availability in biochar from biogas digestate fibres – potentials and limitations for agricultural use**
    Henrik Nørskov Pedersen (SEGES Innovation P/S)

38. **Overview of recent developments and insights in vivianite formation and recovery**
    Thomas Prot (Wetsus)

39. **Nitrogen forms and phosphorus sources modulate differently P-related rhizosphere processes in maize and white lupin under low-P alkaline soil**
    Salma Qetrani (UM6P)

40. **A Sustainable Dry System for Nano-Comminution and Ultra-Beneficiation of Mineral Ores**
    Maache Rachid

41. **Impact of phosphorus application rate and harvest time on phosphorus bioavailability and efficiency of bio-based fertilizers recovered from pig slurry**
    Ana Robles (BETA)

42. **Rethinking phosphorus and nitrogen recovery in wastewater treatment using regenerative adsorption**
    Elizaveta Romanenko (Wageningen University & Research and Wetsus)

43. **Phosphorus Application Via Fertigation As a Tool to Improve Yield and Nutrient Availability in Vegetable Crops**
    Doron Shabtey (Volcani Institute)

44. **Recovered phosphorus as struvite combined with treated wastewater for sustainable forage production in semi-arid agriculture**
    Bouchra Taouil (UM6P)

45. **Green microalga (Coelastrella sp.) cultivated in wastewater is an effective phosphorus biofertilizer**
    Natalie Toren (Agricultural Research Organization, Ben Gurion Uni)

46. **Evaluation of solubility and agronomic performance of phosphorus-based salts extracted from sludge-derived char**
    Francesca Tozzi (Re-CORD)

47. **Functional Monomers for Poly(Organo-phosphinates) Enabled by Redox-Neutral Phosphate-to-Phosphinate Conversion**
    Mohamed Touaizi (UM6P)

48. **Combining Insect Frass and TSP Can Enhance Phosphorus Use Efficiency and Mitigate Salt Stress in Maize**
    Driss Touhami (UM6P)

49. **Microplastics and litter decomposition: consequences for phosphorus cycling and soil microbial communities in agricultural soils**
    Driss Touinssi (UM6P)

50. **Integrated Valorisation of Solid and Liquid Digestate: Linking Digestate-Derived Biochar Properties to Soil Function and Crop Performance**
    Naeimeh Vali (University of Borås)

51. **Global Land-Use Dynamics Driven by Phosphate Mining: A Remote Sensing Assessment**
    Gideon Vunase (Tohoku University)

52. **Identifying Global Hotspots of Phosphate Tailings Burdens**
    Binze Wang (Tohoku University)

53. **Valorization of Very-Low-Grade Phosphate through Selective Enrichment**
    Mohammed Zehmoune (UM6P)

54. **Assessment of Agri-waste mulching in buffering soil temperature during extreme heat events and in enhancing phosphorus, nitrogen and carbon mulch-soil transfer**
    Iris Zohar (Tel-Hai University of Kiryat Shmona in the Galilee)

55. **Optimizing Phosphorus Recovery to Produce a Liquid Fertilizer from Dairy Wastewater by Using Iron Sludge - Algae Cultivation as a Performance Proof**
    Iris Zohar (Tel-Hai University of Kiryat Shmona in the Galilee)



WELCOME TO ESPC 6