GreenChemAfrica is a leading educational program dedicated to promoting sustainable and green chemistry across Africa.

It focuses on advancing environmentally friendly chemical processes, innovative materials, and solutions for a greener future while fostering a deeper understanding of sustainable practices and their applications in research and industry.

For more information, please contact:

Ms. Bouchra LYASSAAI
SusMat-RC, UM6P
Lot 660, Hay Moulay Rachid Ben Guerir, 43150, Morocco
E-mail: Info-SusMat@um6p.ma

Or visit our website:

www.susmat.um6p.ma/greenchemafrica-2025

PROGRAM AND COURSE OUTLINE

Sunday, April 20th, 2025

09.00-13.00 Arrival & Registration

13.00-14.00 Lunch

14.00-15.30 Free Time

15.30-15.45 Opening words-UM6P President (*Mr. Hicham El Habti*)

15.45-16.00 Guidelines and Safety Instructions (Ms. *Manal Outtaouchi*)

Track 1: Introduction to Green Chemistry

16.00-17.15 Green Chemistry: History and Introduction (*Prof. John Warner*)

17.15-17.45 Break

17.45-19.00 Green Chemistry Principles and Practice (*Prof. Youssef Habibi*)

19.30-21.00 Dinner + Round Table: Changing Chemistry Education:

Building Community and Empowering Educators and Leaders (*Prof. Amy Cannon*)

Monday, April 21st, 2025

07.30-08.30 Breakfast

Track 2: Greening Processes/Solvents

09:00-10:15 Phosphorus Chemistry in a Sustainable Context – Fundamentals & Challenges" (*Prof. Jan Weigand)*

10.15-11.30 Molecular Design for Green Chemistry (*Prof. Philip Jessop*)

11.30-11.45 Break

11.45-13.00 Green Solvents (*Prof. Philip Jessop*)

13.00-15.30 Lunch/Free Time

16.00-17.15 Atmospheric Fate of Organic Compounds: Impact on Air Quality and Climate (*Prof. Wahid Mellouki*)

17.15-17.30 Break

17.45-19.30 Creativity and Invention – Workshop (*Prof. Philip Jessop*)

19.30-21.00 Dinner / Round Table: The Pomacle-Bazancourt Refinery: History, Activities, and Synergies in a Biorefinery (*Prof. Florent Allais*)

Tuesday, April 22nd, 2025

07.30-08.30 Breakfast

Track 3: Greener Synthetic Strategies Part 1

09.00-10.15 Green and Step-Economical Transformation of Natural polyphenolics (*Prof. Aroun Sinha*)

10.15-11.30 Greener Synthetic Strategies Part 1 (*Prof. David Laviska*)

11.30-11.45 Break

11.45-13.00 Greener Synthetic Strategies Part 2 (*Prof. David Laviska*)

13.00-15.30 Lunch/Free Time

15.30-16.45 Biomimicry and Biomaterials (*Prof. John Warner)*

16.45-17.00 Break

17.00-18.15 Biomimicry and Biomaterials (*Prof. John Warner*)

18.15-21.00 Dinner/Round Table (*OCP Africa*)

Wednesday, April 23rd, 2025

07.30-08.30 Breakfast

Track 4: Greener Synthetic Strategies Part 2

09.00-10.00 Supramolecular Chemistry as Background for Solvent Extraction (*Prof. Jan Weigand)*

10.00-11.00 Recycling of Critical Metals: Challenges and Opportunities (*Prof. Marco Wenzel*)

11.00-11.15 Break

11.15-12.15 Advanced Phosphorus Recycling Strategies – Towards a Circular Economy (*Prof. Jan Weigand*)

12.15-13.15 Closing The Loop of Phosphate Production: From Rock to Plant-Part 1 (*Prof. Jingxu Yang*)

13.15-15.00 Lunch/Free Time

15.00-16.00 Phosphorus-based Cathode Materials: From Laboratory to Factory-Part 2 (*Prof. Jingxu Yang*)

16:00-17:00 Innovative Strategies for Metal Recovery and Upcycling (*Prof. Marco Wenzel*)

17.00-18.00 Greener Polymerization Strategies and High-tech Applications (*Prof. Glenn Hurst*)

18.00-19.00 Free Time

19.30-21.00 Gala Dinner

Thursday, April 24th, 2025

07.30-08.30 Breakfast

Track 5: Feedstock and Recycling

09.00-10.00 From Waste to Wealth: Waste Valorization for a Sustainable Society (*Prof. Glenn Hurst*)

10.00-11.00 A Sustainable Approach of Biobased Polymers (*Prof. Sylvain Caillol*)

11.00-11.15 Break

11.15-12.15 Waste as a Problem and as a Resource (*Prof. James Clark*)

12.15-13.15 Biorefinery in action (*Prof. Glenn Hurst*)

13.15-15.00 Lunch/Free Time

15.15-16.30 Greener Products (*Prof. James Clark*)

16.30-16.45 Break

Track 6: Life Cycle Assessments (LCA) of chemical reactions and modeling

16.45-19.00 Introduction to Life Cycle Assessment (LCA) methodology (*Prof. Daniele Cespi*)

19.00-21.00 Dinner/Round Table: Policy and Legislation Relevant to Green Chemistry (*Prof. James Clark*)

Friday, April 25th, 2025

07.30-08.30 Breakfast

Track 6: Life Cycle Assessments (LCA) of chemical reactions and modeling

09.00-10.15 LCA of Chemical Products-Part1 (*Prof. Daniele Cespi*)

10.15-10.30 Break

10.30-11.45 LCA of Chemical Products-Part2 (*Prof. Daniele Cespi*)

11.45-13.00 Build your LCA of Chemical Product: Working groups (*Prof. Daniele Cespi*)

13.00-15.00 Lunch/Free Time

15.30-17.00 Student Presentations (*Results*)

17.00-18.00 Ceremony

18.00-18.30 Check out and departure