

**14th International Conference on Agrophysics**  
11-13 September 2023, Lublin, Poland

**ICA** 2023

**day "0" - Sunday, September 10, 2023**

<p><b>Accommodation at the MERCURE hotel</b> Aleje Raclawickie 12, 20-037 Lublin, Poland from 3:00 PM</p>
<p><b>Welcome Party</b> at the MERCURE Hotel Restaurant from 6:00 PM to 8:00 PM</p>

Day 1 - Monday, September 11, 2023

REGISTRATION

8:00 - 9:15

OPENING CEREMONY

Prof. Cezary Sławiński, Corresponding Member of PAS  
Director of the Institute of Institute of Agrophysics PAS

9:15 - 9:30

OPENING LECTURE Marc Hendrickx - The impact of processing on quality and health related aspects of foods

9:30 - 10:00

COFFEE BREAK

10:00 - 10:30

3rd Fruit Structure Workshop	<p>Keynote Speaker: <b>Marc Lahaye</b> <i>French National Institute for Agriculture, Food, and Environment (INRAE), Paris, France</i></p> <p><b>Cell wall organization and tissue water contributions to fleshy fruit texture</b></p> <p>10:30 - 11:00</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>11:00 - 11:20</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>11:20 - 11:40</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>11:40 - 12:00</p>
	<p>Keynote Speaker: <b>Kalina Tamara Haas</b> <i>French National Institute for Agriculture, Food, and Environment (INRAE), Paris, France</i></p> <p><b>Optical nanoscopy on the cell wall polymers brings to light new structures and new concepts</b></p> <p>12:00 - 12:30</p>
	<p><b>LUNCH</b></p> <p>12:30 - 13:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>13:30 - 13:50</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>13:50 - 14:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>14:10 - 14:30</p>
	<p>Keynote Speaker: <b>Candelas Maria Paniagua Correias</b> ..... affiliation.....</p> <p>.....title .....</p> <p>14:30 - 15:00</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>15:00 - 15:20</p>
	<p><b>COFFEE BREAK</b></p> <p>15:20 - 15:40</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>15:40 - 16:00</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>16:00 - 16:20</p>
	<p>Keynote Speaker: <b>Alexis Peaucelle</b> <i>Paris Diderot University, Paris, France</i></p> <p><b>New plant growth model: Pectin nanofilament expansion drives cell wall expansion</b></p> <p>16:20 - 16:50</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>16:50 - 17:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>17:10 - 17:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>17:30 - 17:50</p>

Microbial Biodiversity and Resilient Plants Workshop	<p>Keynote Speaker: Prof. <b>Maria Teresa Ceccherini</b> <i>Department of Agriculture, Food, Environment and Forest Science &amp; Technology, University of Florence, Italy</i></p> <p><b>Microbial Biodiversity for Sustainable Plants Production</b></p> <p>10:30 - 11:00</p>
	<p>Keynote Speaker: Prof. <b>Eligio Malusa</b> <i>Research Institute of Horticulture in Skierniewice, Poland</i></p> <p><b>Biodiversity Indicators in Agriculture and Horticulture</b></p> <p>11:00 - 11:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>11:30 - 11:50</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>11:50 - 12:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>12:10 - 12:30</p>
	<p><b>LUNCH</b></p> <p>12:30 - 13:30</p>
	<p>Keynote Speaker: Prof. <b>Magdalena Fraç</b> <i>Institute of Agrophysics, Polish Academy of Sciences, Lublin, Poland</i></p> <p><b>Soil and Plant Microbiomes under Changing Environment</b></p> <p>13:30 - 14:00</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>14:00 - 14:20</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>14:20 - 14:40</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>14:40 - 15:00</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>15:00 - 15:20</p>
	<p><b>COFFEE BREAK</b></p> <p>15:20 - 15:40</p>
	<p>Keynote Speaker: <b>Dr. Cornelia Welte</b> <i>Department of Microbiology, RIBES, Radboud University, Nijmegen, The Netherlands</i></p> <p><b>On line</b></p> <p>.....title .....</p> <p>15:40 - 16:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>16:10 - 16:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>16:30 - 16:50</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>16:50 - 17:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>17:10 - 17:30</p>

POSTER SESSION

17:50 - 19:50

day 2 - Tuesday, September 12, 2023

<b>3rd Fruit Structure Workshop (continued)</b>	<p>Keynote Speaker: Prof. <b>Marc E.G. Hendrickx</b> <i>KU Leuven, Belgium</i> <b>Process structure function relations of cell wall materials in food systems</b> <i>The event is carried out with the financial support of The City of Lublin, as part of the Visiting Professors in Lublin Program</i></p> <p>9:00 - 9:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>9:30 - 9:50</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>9:50 - 10:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>10:10 - 10:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>10:30 - 10:50</p>
	<b>COFFEE BREAK</b>
	10:50 - 11:10
	<p>Keynote Speaker: Prof. <b>Jose Enrique Fernandez Luque</b> <i>Irrigation and Crop Ecophysiology Group (REC group), Institute of Natural Resources and Agrobiolgy of Seville (IRNAS), Spain</i></p> <p>.....title .....</p> <p>11:10 - 11:40</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>11:40 - 12:00</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>12:00 - 12:20</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>12:20 - 12:40</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>12:40 - 13:00</p>
	<b>LUNCH</b>
	13:00 - 14:00
	<p>Keynote Speaker: <b>Prof. Scott B. Jones</b> <i>Department of Plants, Soils and Climate, Utah State University, Logan, USA</i></p> <p>.....title .....</p> <p>14:00 - 14:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>14:30 - 14:50</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>14:50 - 15:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>15:10 - 15:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>15:30 - 15:50</p>

<b>Biology of the Change – Microbial Processes Related with Greenhouse Gases Transformation in Natural and Agroecosystems Workshop (continued)</b>	<p>Keynote Speaker: <b>Prof. Bruce Osborne</b> <i>UCD School of Agriculture and Food Science, and UCD Earth Institute, University College Dublin, Ireland</i></p> <p>..... Title .....</p> <p>9:00 - 9:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>9:30 - 9:50</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>9:50 - 10:10</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>10:10 - 10:30</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>10:30 - 10:50</p>
	<b>COFFEE BREAK</b>
	10:50 - 11:10
	<p>Keynote Speaker: Prof. <b>Krzysztof Treder</b> <i>Plant Breeding and Acclimatization Institute–National Research Institute, Bonin, Poland</i></p> <p><b>Plant Responses to Stress Factorst</b></p> <p>11:10 - 11:40</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>11:40 - 12:00</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>12:00 - 12:20</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>12:20 - 12:40</p> <p>speaker : ..... ..... affiliation..... .....title .....</p> <p>12:40 - 13:00</p>
	<b>LUNCH</b>
	13:00 - 14:00
	<p style="text-align: center;"><b>PRACTICAL WORKSHOP</b></p> <p>Dr. <b>Alberto Acedo</b> – Biome Makers Inc., West Sacramento, United States <i>Prof. Łukasz Dzewit, Dr. Przemysław Decewicz</i> - University of Warsaw, Warsaw, Poland</p> <p style="text-align: center;"><b>Next generation sequencing techniques and tools</b></p> <p>14:00 - 14:40</p>
<p style="text-align: center;"><b>PRACTICAL WORKSHOP</b></p> <p>Dr. <b>Stefanie Vink</b> – GreenFinch Research, Groningen, The Netherlands <i>Assoc. Prof. Grzegorz Koczyk</i> – Institute of Plant Genetics of the Polish Academy of Sciences, Poznan, Poland</p> <p style="text-align: center;"><b>Bioinformatics Methods in Environmental Microbiology</b></p> <p>14:40 - 15:20</p>	
<p style="text-align: center;"><b>PRACTICAL WORKSHOP</b></p> <p>Dr. <b>Piotr Koper</b> – Maria Curie-Skłodowska University in Lublin, Lublin, Poland <i>Dr. Jacek Panek</i> – Institute of Agrophysics, Polish Academy of Sciences, Lublin, Poland</p> <p style="text-align: center;"><b>Biostatistics in Environmental Research</b></p> <p>15:20 - 16:00</p>	

<p><b>POSTER SESSION</b></p> <p>16:00 - 17:00</p>
---

<p><b>FOLKLORE EVENT (for signed up participants)</b></p> <p>18:00 - 0:00</p> <p>Departure by bus from the MERCURE Hotel</p>
--

<b>Physical Chemistry of Soil Degradation and Remediation Workshop</b>	Keynote Speaker: <b>Prof. Teodoro Miano</b> <i>University of Bari Aldo Moro</i> .....title ..... 9:00 - 9:30
	speaker : ..... .... affiliation..... .....title ..... 9:30 - 9:50
	speaker : ..... .... affiliation..... .....title ..... 9:50 - 10:10
	speaker : ..... .... affiliation..... .....title ..... 10:10 - 10:30
	speaker : ..... .... affiliation..... .....title ..... 10:30 - 10:50
	<b>COFEE BREAK</b> 10:50 - 11:10
	Keynote Speaker: <b>PhD Candidate Mike Gorbounov</b> <i>Department of Chemical Engineering, Brunel University London</i> .....title ..... 11:10 - 11:40
	speaker : ..... .... affiliation..... .....title ..... 11:40 - 12:00
	speaker : ..... .... affiliation..... .....title ..... 12:00 - 12:20
	speaker : ..... .... affiliation..... .....title ..... 12:20 - 12:40
	speaker : ..... .... affiliation..... .....title ..... 12:40 - 13:00
	<b>LUNCH</b> 13:00 - 14:00

<b>Physico-chemical Properties of Plant Materials Workshop</b>	Keynote Speaker: <b>Assoc. Prof. Krzysztof Dwiecki</b> <i>Department of Food Biochemistry and Analysis, Faculty of Food Science and Nutrition, Poznań University of Life Sciences, Poland</i> .....title ..... 9:00 - 9:30
	speaker : ..... .... affiliation..... .....title ..... 9:30 - 9:50
	speaker : ..... .... affiliation..... .....title ..... 9:50 - 10:10
	speaker : ..... .... affiliation..... .....title ..... 10:10 - 10:30
	speaker : ..... .... affiliation..... .....title ..... 10:30 - 10:50
	<b>COFEE BREAK</b> 10:50 - 11:10
	Keynote Speaker: <b>Assoc. Prof. Eutiquio Gallego Vazquez</b> <i>BIPREE Research Group, Universidad Politecnica de Madrid, Madrid, Spain</i> <b>Friction phenomena in silos</b> 11:10 - 11:40
	speaker : ..... .... affiliation..... .....title ..... 11:40 - 12:00
	speaker : ..... .... affiliation..... .....title ..... 12:00 - 12:20
	speaker : ..... .... affiliation..... .....title ..... 12:20 - 12:40
	speaker : ..... .... affiliation..... .....title ..... 12:40 - 13:00
	<b>LUNCH</b> 13:00 - 14:00
	Keynote Speaker: <b>Prof. Sylwia Mildner-Szkudlarz</b> <i>University of Life Sciences in Poznań, Poland</i> <b>Formation of advanced glycation end-products in foods</b> 14:00 - 14:30
	speaker : ..... .... affiliation..... .....title ..... 14:30 - 14:50
speaker : ..... .... affiliation..... .....title ..... 14:50 - 15:10	
speaker : ..... .... affiliation..... .....title ..... 15:10 - 15:30	
speaker : ..... .... affiliation..... .....title ..... 15:30 - 15:50	