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# Milano (Italy) March 27 - 28, 2025 Fondazione Cariplo

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Università di Salerno Dipartimento di Ingegneria Industriale



Dipartimento di Ingegneria Chimica, dei materiali e della Produzione Industriale Università degli Studi di Napoli Federico II



CRdC Tecnologie score



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# **ABOUT GIFLEX**

**GIFLEX** is the Association that brings together manufacturers of flexible packaging printed for packaging of food, pharmaceuticals, chemicals and other industrial applications.

The Group is integrated into the **Confindustria system**, through **Assografici** (National Association of Printing and Paper Processing Industries) and, in Europe, is a member of **FPE (Flexible Packaging Europe)**.

Ever since its establishment in 1985, the Group has provided a reference and support to its members, bringing a wide range of services, such as: Information on the technical, regulatory and marketing aspects related to flexible packaging.

To better support associated companies, Giflex has produced several technical documents on the main requirements of flexible packaging.

There was also no shortage of economic studies in the sector to get a general picture of the market trend.

## **AIM OF THE CONGRESS**

Following the success of the previous editions held in Naples in 2015 and 2022, in Milan in 2017 and the virtual edition in 2021, the 5th International Congress on "Advances in the Packaging Industry" will take place on March 27 and 28, 2025, in Milan, Italy. The Congress serves as a multidisciplinary forum for all those interested in advancements in the field of flexible packaging for food, pharmaceuticals, chemicals, and other industrial applications.

Academic and industry experts will cover a wide range of topics relevant to innovations and future challenges in packaging technology. The twoday Congress will feature two main sessions focused on Products and Processes.

We wish you a pleasant Congress and a nice stay in Milan!



## INTERNATIONAL ORGANIZING COMMITTEE

### **CONGRESS CHAIRS**

Loredana Incarnato, University of Salerno, Italy Giuseppe Mensitieri, CRdC President, University of Naples Federico II, Italy Alberto Palaveri, Giflex President, Italy

### **CONGRESS MANAGERS**

Mario Mensitieri, *Giflex, Italy* Italo Vailati, *Giflex, Italy* 

#### COMMITTEE

Domenico Acierno, CRdC, Italy Giovanna Buonocore, CNR, Institute for Polymers, Composites and Biomaterials, Italy Tim Claypole, Welsh Centre for Printing and Coating, Swansea University, UK Luigi De Nardo, Polytechnic of Milan, Italy Luciano Di Maio, University of Salerno, Italy Valeria Di Sarli, CNR-STEMS, Italy Jean Paul Duquet, FPE (Flexible Packaging Europe), Germany Paola Fabbri, University of Bologna, Italy Maria Rosaria Milana, Former Research Director, Responsible National Reference Laboratory for FCM, National Institute of Health (ISS), Italy Cristina Nerin, University of Zaragoza, Spain Raguel Reguena Peris, Aimplas, Spain Ciro Sinagra, Laminazione Sottile, Italy Giorgia Spigno, Catholic University of Sacred Heart of Milan, Italy Elena Torrieri, University of Naples Federico II, Italy Marta Zaccone, Proplast, Italy



### PROGRAM THURSDAY, MARCH 27

- 08.30 09.00 Registrations
- 09.00 09.15 WELCOME ADDRESSES Loredana Incarnato, Alberto Palaveri

#### 09.15 - 09.45 KEYNOTE LECTURE

Moderator: Luigi De Nardo Coating technology as a key enabling technology for sustainable packaging solutions Stefano Farris, Department of Food, Nutrition and Environmental Sciences, University of Milan, Italy

#### 09.45 - 11.00 ORAL PRESENTATIONS SESSION 1: ADVANCED TECHNOLOGIES FOR SMART AND FUNCTIONAL PACKAGING Moderator: Luigi De Nardo

09.45 - 10.00 **BIO-BASED ANTIMICROBIAL FOOD PACKAGING COATINGS** <u>Lefteris Tourasanidis</u><sup>a</sup>, George Gkikas<sup>a</sup>, Maria Kaliva<sup>b,c</sup>, Eleni Ouranou<sup>d</sup>, Nikolaos Konios<sup>b,c</sup>, Dimosthenis Chochlakis<sup>d</sup>, Rosemary Antonomanolaki<sup>e</sup>, Anna Psaroulaki<sup>d</sup>, Maria Vamvakakib,<sup>c</sup>

<sup>e</sup>Hatzopoulos S.A., Thessaloniki, Greece, <sup>b</sup>University of Crete, Department of Materials Science and Engineering, Greece, <sup>c</sup>Institute of Electronic Structure and Laser, Foundation of Research and Technology – Hellas, Greece, <sup>d</sup>University of Crete, Medical School, Greece, <sup>e</sup>Kolios S.A., Kilkis, Greece



### THURSDAY, MARCH 27

#### 10.00 - 10.15 FLEXIBLE PACKAGING BASED ON NO-MOLD COATINGS FOR BAKERY FOOD

Design and development from lab-scale to industrial application

**<u>Chiara Ascione</u>** <sup>a</sup>, Mariantonella Palermo<sup>b</sup>, Mattia Fornaro<sup>c</sup>, Valentina Marturano<sup>d</sup>, Pierfrancesco Cerruti<sup>d</sup>, Mario Mensitieri<sup>a</sup> <sup>a</sup>Icimendue Srl, Marcianise (CE), Italy, <sup>b</sup>Tecnoalimenti SCpA, Mi-Iano, Italy, <sup>c</sup>Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale (DICMAPI), Napoli, Italy, <sup>d</sup> Istituto per i Polimeri, Compositi e Biomateriali (IPCB-CNR), Pozzuoli, Italy

10.15 - 10.30 POLYETHYLENE TEREPHTHALATE- AND PAPER-BASED FLEX-IBLE PACKAGING MATERIALS FUNCTIONALIZED WITH SOL-GEL COATINGS

Alexander Leo Bardenstein, Yukihiro Kusano, Claus Bischoff, Stanislav Landa, Anders Ask Carton Danish Technological Institute, Centre for Plastic and Packaging Technology, Denmark

10.30 - 10.45 INNOVATIVE WATER-BASED COATING FOR FLEXIBLE FILMS. Barrier solutions for sustainable packaging <u>Matteo Cresci</u>, Paolo Vacca, Alessandra Colombo, Gaetano Campanella, Carlo Alessio Cozzolino SAES Getters S.p.A., Lainate (MI), Italy

10.45 - 11.00 ADVANCED SUSTAINABLE SOLUTIONS FOR FLEXIBLE PACK-AGING Pioneering adhesives and coatings for the future of flexible packaging <u>Valter Lamera</u>, Alberto Spalluto, Roberto Pela Henkel Italia srl, Italy

11.00 - 11.30 Coffee break



# THURSDAY, MARCH 27

#### 11.30 - 12.00 KEYNOTE LECTURE

Moderator: Italo Vailati Development of Active and Fully Compostable multilayer Packaging Films Rafael Auras, Amcor Endowed, Chair in Packaging Sustainability, School of Packaging, Michigan State University, USA

#### 12.00 - 13.30 ORAL PRESENTATIONS

SESSION 2: **BIOBASED AND BIODEGRADABLE MATERIALS** FOR PACKAGING Moderator: Italo Vailati

### 12.00 - 12.15 DEVELOPMENT OF ACTIVE FILM BASED ON PBS/HOPS BY PRODUCT

Hops by product composition and film characterization-Angela Borriello<sup>a</sup>, Angela Marotta<sup>b</sup>, Leandra Leto<sup>c</sup>, Benedetta Chiancone<sup>c</sup>, Prospero Di Pierro<sup>a</sup>, Veronica Ambrogi<sup>b</sup>, **<u>Elena Torrieri</u>**<sup>a</sup>

<sup>o</sup>University of Naples Federico II, Dept. of Agricultural Sciences, Italy, <sup>b</sup>University of Naples Federico II, Dept. of Chemical, Materials and Production Engineering (DICMAPI), Italy, <sup>c</sup>University of Parma, Dept. of Food and Drug, Italy

### 12.15 - 12.30 BIOPLASTIC PACKAGING FROM POTATO STARCH AND ON-ION/GARLIC PEELS

<u>Mariana Vallejo</u><sup>a,b</sup>, Paula Ferreira<sup>a,b</sup>, José Oliveira<sup>a,c</sup>, Idalina Gonçalves<sup>a,b</sup>

<sup>a</sup>CICECO – Aveiro Institute of Materials, University of Aveiro, Portugal, <sup>b</sup>Materials and Ceramic Engineering Department, University of Aveiro, Portugal, <sup>c</sup>School of Design, Management and Production Technologies, University of Aveiro, Portugal



### THURSDAY, MARCH 27

#### 12.30 - 12.45 PLA-BASED COMPOSITES LOADED WITH HAY FLOUR FOR SUSTAINABLE APPLICATIONS IN PACKAGING Francesco Musiari<sup>a</sup>, **Corrado Sciancalepore**<sup>a,b</sup>,

Duccio Gallichi-Nottiani<sup>a,b</sup>, Maria Grimaldi<sup>a,b</sup>, Daniel Milanese<sup>a,b</sup>, <sup>a</sup>Department of Engineering for Industrial Systems and Technologies, University of Parma, Italy, <sup>b</sup>National Interuniversity Consortium of Materials Science and Technology (INSTM), Florence, Italy

### 12.45 - 13.00 PHBV-BASED MATERIALS FOR FOOD PACKAGING APPLICA-TIONS

Salvador García Chumillas<sup>a</sup>, María Nicolás Liza<sup>a</sup>, Fuensanta Monzó Sánchez<sup>b</sup>, Marianna Faraldi<sup>c</sup> <sup>o</sup>Cetec Biotechnology SL (CETBIO), Spain, <sup>b</sup>Centro Tecnológico del Calzado y del Plástico (CETEC), Spain, <sup>c</sup>Tecnoalimenti S.C.p.A., Italy

### 13.00 - 13.15 PROCESSING AND PROPERTY ASSESSMENT OF BIOBASED POLY (LACTIC ACID)/POLY (BUTYLENE SEBACATE) (PLA/PBSE) BINARY BLEND FILMS

**Vito Gigante**<sup>a</sup>, Laura Aliotta<sup>a</sup>, Marilena Baiamonte<sup>b</sup>, Giuseppe Gallone<sup>a</sup>, Luigi Botta<sup>b</sup>, Andrea Lazzeri<sup>a</sup> <sup>a</sup>University of Pisa, Department of Civil and Industrial Engineering, Italy, <sup>b</sup>Department of Engineering, University of Palermo, Italy

13.15 - 13.30 OPTIMIZING HIGH-BARRIER PBS-BASED BLENDS FOR SUS-TAINABLE FLEXIBLE PACKAGING: MORPHOLOGICAL, PRO-CESSING, AND FUNCTIONAL PERSPECTIVES <u>Annalisa Apicella</u>, Antonio Barbato, Luciano Di Maio, Loredana Incarnato University of Salerno, Department of Industrial Engineering, Italy

#### 13.30 - 14.30 Lunch



# THURSDAY, MARCH 27

14.30 - 15.00	KEYNOTE LECTURE Moderator: Loredana Incarnato NEW TRENDS IN RISK ASSESSMENT AND SAFETY REGULA- TION ON FCM Maria Rosaria Milana, Former Research Director, National In- stitute of Health (ISS), Italy
15.00 - 16.15	ORAL PRESENTATIONS SESSION 3: HAZARD AND SAFETY ISSUES IN PACKAGING Moderator: Maria Rosaria Milana
15.00 - 15.15	RISK ASSESSMENT OF MIGRATION IN RECYCLED POLYPRO- PYLENE Paula Vera, Cristina Nerin, Elena Canellas GUIA Group, Department of Analytical Chemistry, University of Zaragoza, Spain
15.15 - 15.30	UNTARGETED SCREENING OF PERFLUOROALKYL SUBSTANC- ES AND BISPHENOLS IN FOOD CONTACT MATERIALS Marinella Vitulli, Filippo Pratesi, <u>Flavia Cozzolino</u> Food Contact Center, Pistoia, Italy
15.30 – 15.45	TOXICOLOGICAL RISK ASSESSMENT OF NIAS How to assess the substances potentially migrating from the packaging to the food <u>Claudia Cusan</u> , Alessia Sguazzin S&C BEST Srl, Portogruaro (Venezia), Italy
15.45 - 16.00	EXPLORING SODA CONTAMINATION COMING FROM PAPER STRAWS Elena Canellas, Cristina Nerin, Paula Vera GUIA Group, Department of Analytical Chemistry, University of Zaragoza, Spain



### THURSDAY, MARCH 27

#### 16.00 - 16.15 MOBILITY OF PFAS IN PACKAGING - FROM DESIGN TO END-OF-LIFE

Enrico Nieddu, Andrea Vittadello, <u>**Giulia Novello**</u>, Andrea Boscolo *Mérieux NutriSciences Italia, Resana (TV), Italy* 

#### 16.15 - 18.00 ORAL PRESENTATIONS SESSION 4: INNOVATIVE MATERIALS AND TECHNOLOGY FOR FOOD PRESERVATION AND END-OF-WASTE MATERIALS VALORIZATION Moderators: Tim Claypole, Luciano Di Maio

16.15 - 16.30 NEW FLEXIBLE PACKAGING SOLUTION FOR SPACE MISSION A multidisciplinary approach for packaging in space food <u>Marco Scatto</u><sup>a</sup>, Karen Venturini<sup>a</sup>, Davide Sanna<sup>b</sup>, Antonio Gattulli<sup>c</sup> "Department of Economics, Science, Engineering and Design, Uni-

<sup>a</sup>Department of Economics, Science, Engineering and Design, University of San Marino, <sup>b</sup>Relicta srl, Sassari, <sup>c</sup>SudAlimenta srl, Bari

 16.30 - 16.45 SMART PH-SENSITIVE INDICATORS BASED ON CURCUMIN AND LAMBRUSCO EXTRACT.
 A novel tool to track the freshness of pink shrimps <u>Gianluca Viscusi</u><sup>a</sup>, Elena Lamberti<sup>a</sup>, Federica Angilè<sup>b</sup>, Luca Di Stasio<sup>c</sup>, Carmela Gerardi<sup>b</sup>, Giovanna Giovinazzo<sup>b</sup>, Giovanni Vigliotta<sup>c</sup>, Giuliana Gorrasi<sup>a</sup>
 <sup>a</sup>University of Salerno, Dept. of Industrial Engineering, Italy, <sup>b</sup>National Research Council-Institute of Science of Food Production, Italy, <sup>c</sup>University of Salerno, Dept. of Chemistry and Biology, Italy

#### 16.45 - 17.00 SUSTAINABLE PACKAGING: THE SHIFT FROM SYNTHETIC TO BIOBASED COLORANTS Kai Lankinen

*Senior Lecturer, Tampere University of Applied Sciences, Degree Programme in Bioproduct Engineering, Finland* 



## THURSDAY, MARCH 27

#### 17.00 - 17.15 DESIGN OF EQUILIBRIUM MODIFIED ATMOSPHERE PACKAG-ING: A GENERALIZED TOOLBOX

**Andrea Fiorati**<sup>a</sup>, Federico Florit<sup>b</sup>, Luigi De Nardo<sup>a</sup> <sup>a</sup>Department of Chemistry, Materials, and Chemical Engineering "G. Natta" Politecnico di Milano, Italy, <sup>b</sup>Massachusetts Institute of Technology, Department of Chemical Engineering, Cambridge, MA, USA

17.15 - 17.30 POST-HOUSEHOLD RECYCLED LDPE FROM USED BEVERAGE CARTON FOR CONTACT-SENSITIVE PACKAGING Julien Davin

Saperatec GmbH, Germany

### 17.30 - 17.45 TURNING WASTE INTO VALUE: EDIBLE COATINGS FROM AGRI-FOOD BY-PRODUCTS TO EXTEND FRESH PRODUCE SHELF-LIFE

Francesca Vidotto<sup>a</sup>, Cristiana Sbrana<sup>a</sup>, **Andrea Cavallero**<sup>a</sup>, Laryssa Peres Fabbri<sup>a</sup>, Maria Grazia Caruso<sup>a</sup>, Vito Gigante<sup>b</sup>, Laura Aliotta<sup>b</sup>, Morena Gabriele<sup>a</sup>

<sup>a</sup>National Research Council - Institute of Agricultural Biology and Biotechnology, Pisa, Italy, <sup>b</sup>University of Pisa, Department of Civil and Industrial Engineering, Italy

#### 17.45 - 18.00 BIO-BASED MATERIALS FOR ACTIVE FOOD PACKAGING Upcycling White Grape Pomace Extract into Chitosan-Based Films

**Giulia Leni**<sup>a</sup>, Beatrice Sottini<sup>b</sup>, Roberto Casalini<sup>b</sup>, Andrea Fiorati<sup>b</sup>, Luigi De Nardo<sup>b</sup>, Tawanda Edzai Jeke<sup>a</sup>, Giorgia Spigno<sup>a</sup>, Andrea Bassani<sup>a</sup> <sup>a</sup>Università Cattolica del Sacro Cuore, Department for Sustainable Food Process, Italy, <sup>b</sup>Politecnico di Milano, Department of Chemistry, Materials, and Chemical Engineering "G. Natta", Italy

### 18.00 - 19.00 POSTER SESSION AND COCKTAIL



### FRIDAY, MARCH 28

#### 08.45 - 09.15 KEYNOTE LECTURE

Moderator: Marta Zaccone WHAT FUTURE FOR BIOPLASTICS IN EUROPE? ADVANCING SUSTAINABLE PACKAGING SOLUTIONS Andrea Lazzeri, Department of Civil and Industrial Engineering

**Andrea Lazzeri**, Department of Civil and Industrial Engineering, University of Pisa, Italy

09.15 - 11.15 ORAL PRESENTATIONS SESSION 5: CIRCULAR ECONOMY STRATEGIES: ECO-DE-SIGN, RECYCLING, PAPER-BASED SOLUTIONS, AND END-OF-LIFE MANAGEMENT Moderator: Marta Zaccone

09.15 - 09.30 FIBRE-BASED PACKAGING AND BARRIER COATINGS INFLUENCE ON THE CONVERTING AND RECYCLING Andrea Marinelli<sup>a</sup>, Maria Vittoria Diamanti<sup>a</sup>, MariaPia Pedeferri<sup>a</sup>, Barbara Del Curto<sup>a</sup> Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering "Giulio Natta", Italy

09.30 - 09.45 DEVELOPMENT OF MICROFIBRILLATED CELLULOSE FILMS FROM AGRI-FOOD WASTES AND PLANT RESIDUES FOR FOOD PACKAGING APPLICATIONS: AN IN-DEPTH PERFORMANCE ASSESSMENT Daniele Carullo<sup>a</sup>, Tommaso Bellesia<sup>a</sup>, Andrea Fachin<sup>a</sup>, Maral Soltanzadeh<sup>a</sup>, Giorgio Innocenzo Ascrizzi<sup>b</sup>, Laura Piazza<sup>b</sup>, Stefano Farris<sup>a</sup> <sup>a</sup>Department of Food, Environmental and Nutritional Sciences (DeFENS), Food Packaging Laboratory, University of Milan, Italy, <sup>b</sup>Department of Environmental Science and Policy (ESP), University



### FRIDAY, MARCH 28

#### 09.45 - 10.00 EVALUATION OF POST-INDUSTRIAL POLYETHYLENE TERE-PHTHALATE RECYCLATES (RPET) OBTAINED FROM MULTI-LAYER POLYETHYLENE TEREPHTHALATE (PET)/ POLYETH-YLENE (PE) SHEETS

Isabela F. A. Daras<sup>a</sup>; Srishti Singh<sup>a</sup>; Tiago Vieira<sup>a</sup>; Joel Pereira<sup>b</sup>; Patrícia Guerreiro<sup>b</sup>; Clara Sousa<sup>a</sup>; <u>Fátima Poças</u><sup>a,b</sup> <sup>a</sup>Universidade Católica Portuguesa, CBQF Centro de Biotecnologia

e Química Fina-Laboratório Associado, Escola Superior de Biotecnologia, Porto, Portugal, <sup>b</sup>CINATE, Escola Superior de Biotecnologia, Universidade Católica Portuguesa, Porto, Portugal

### 10.00 – 10.15 STUDY ON RECYCLABILITY OF POLYETHYLENE-POLYAMIDE FILMS

### Sergio Manuel Espinosa Martínez

UBE Corporation Europe S.A.U, Performance Polymers R&D Department, Spain

Moderator: Jean Paul Duquet

10.15 – 10.30 ADVANCING FLEXIBLE PACKAGING RECYCLABILITY TESTING LEARNINGS FROM CEFLEX TESTING PROGRAMME TO EN-HANCE RECYCLABILITY TESTING METHODOLOGIES Dennis Bankmann<sup>a</sup>, Maria Teresa Scrivani<sup>b</sup> °Stichting CEFLEX, The Netherlands, <sup>b</sup>Consorzio Proplast, Alessandria, Italy

10.30 - 10.45 IMPROVING BIOPLASTICS BIODEGRADATION IN COMPOST-ING BIOFAST: STRATEGIES TO ACCELERATE THE BIODEGRA-DATION OF BIOPLASTICS IN INDUSTRIAL COMPOSTING Giovanni Gadaleta<sup>a</sup>, Johana Carolina Andrade-Chapal<sup>a</sup>, Karen Gutiérrez-Silva<sup>b</sup>, María Mozo-Toledo<sup>a</sup>, Ángela Navarro-Calderón<sup>a</sup>

<sup>e</sup>AIMPLAS - Plastics Technology Centre, Biodegradability and Compostability Laboratory, Spain, <sup>b</sup>Universitat de València, Research Group of Materials Technology and Sustainability (MATS), Spain



### FRIDAY, MARCH 28

10.45 - 11.00 IMPROVEMENT IN SOLVENT RECOVERY TECHNOLOGY FOR-SOLVENT BASED PRINTING, LAMINATING AND CONVERTING PROCESSES

#### Stefano Capelli

Brofind S.p.A., Milan, Italy

- 11.00 11.15 BRINGING FOOD PACKAGING TOWARDS A CIRCULAR ECON-OMY An innovative approach for the Flexible Packaging Market Laura Evangelio Araujo Dow Chemical Iberica, Tarragona, Spain
- 11.15 11.45 Coffee break

#### 11.45 - 12.15 KEYNOTE LECTURE

Moderator: Jean Paul Duquet LEADING THE CHANGE IN FLEXIBLE PACKAGING: INTRO-DUCING LCA GUIDELINES AND PAVING THE PATH FOR-WARD Patricia Granados, Senior Expert, Footprinting Quantis, Germany

Patricia Granduos, senior Expert, Pootprinting Quantis, Germany

### 12.15 - 13.15 ROUND TABLE: INDUSTRIAL CHALLENGES AND PERSPECTIVE

Moderator: Giuseppe Mensitieri

Speakers:

Michele Guala, CEO Gualapack Guido Aufdemkamp, Executive Director of FPE (Flexible Packaging Europe)

Gabriele Mei, CEO Lyondell Basell

**Gianluca Capra**, Business Development Manager South Europe, NatureWorks

Dario Dainelli, Managing Director, PolicyRegulatory

### 13.15 - 13.30 CONCLUSIONS Giuseppe Mensitieri



- RELIABILITY OF MONO-PE PACKAGING FOR CHEMICALS: a combined mixture design study
  <u>Silvia Barbi</u>, Francesco Barbieri, Monia Montorsi
  University of Modena and Reggio Emilia, Dept. of Sciences and Methods for Engineering, Italy
- 2 PARTIAL DEGRADABILITY OF CELLULOSE ACETATE IN COMPOSTING: Consequences in terms of Life Cycle Assessment

**Sabino De Gisi**<sup>a</sup>, Giovanni Gadaleta<sup>b</sup>, Luciano Di Maio<sup>a</sup> <sup>a</sup>University of Salerno, Dept. of Industrial Engineering, Italy, <sup>b</sup>AIMPLAS -Plastics Technology Centre, Biodegradability and Compostability Laboratory, Spain

### 3 - CIRCULAR ECONOMY EXPERT IN SUSTAINABLE PLASTIC PRODUCT: THE CIRCVET PROJECT

**Marta Zaccone**<sup>a</sup>, Susana Remotti<sup>a</sup>, Carlos Agustí<sup>b</sup>, Mario Monzón<sup>c</sup>, Rui Tocha<sup>d</sup>, Torsten Urban<sup>e</sup>, Annabelle Sion<sup>f</sup>, Saint-Clair Lefevre<sup>g</sup>, Karolis Skebas<sup>h</sup>, Zivile Satiene<sup>i</sup>, Jurgita Mikutavičienė<sup>j</sup>, Alessandro Rossi<sup>k</sup>, Milena Bigatto<sup>1</sup>

<sup>a</sup>PROPLAST, Alessandria, Italy, <sup>b</sup>AlJU, Instituto Tecnológico de Producto Infantil y Ocio, Ibi, Alicante, Spain, <sup>c</sup>Universidad De Las Palmas De Gran Canaria, Spain, <sup>d</sup>CENTIMFE, Centro Tecnológico da Indústria de Moldes, Ferramentas Especiais e Plásticos, M.nha Grande, Portugal, <sup>e</sup>Gemeinnützige KIMW-Qualifizierungs, Luedenscheid, Germany, <sup>f</sup>POLYMERIS, Oyonnax Cedex, France, <sup>g</sup>Infinitivity Design Labs, Laussonne, France, <sup>h</sup>LINPRA, Vilnius, Lithuania, <sup>i</sup>APRC, Alytus vocational training centre, Lithuania, <sup>i</sup>VPM, Visagino Technologijos Ir Verslo Profesinio Mokymo Centras, Visaginas, Lithuania, <sup>k</sup>Università degli Studi di Trento, Italy, <sup>i</sup>HIT, Hub Innovazione Trentino, Italy



## POSTER SESSION

 FUNCTIONAL UPCYCLING OF POST-CONSUMER PLASTIC FILMS Transforming Waste into High-Value Secondary Raw Materials Emilia Garofalo<sup>a</sup>, Luciano Di Maio<sup>a</sup>, Paola Scarfato<sup>b</sup>, Antonio Protopapa<sup>c</sup>, Loredana Incarnato<sup>a</sup>

<sup>a</sup>University of Salerno, Dept. of Industrial Engineering, Italy, <sup>b</sup>University of Salerno, Dept. of Civil Engineering, Italy, <sup>c</sup>COREPLA-Italian Consortium for the Collection and Recycling of Plastic Packages, Italy

5 - EXPLORING OLIVE KERNEL POWDER AS A FILLER IN PBAT BIOCOM-POSITES FOR PACKAGING APPLICATIONS

**Luigi Botta**<sup>a</sup>, Marilena Baiamonte<sup>a</sup>, Luca Settanni<sup>b</sup>, Raimondo Gaglio<sup>b</sup> <sup>a</sup>University of Palermo, Dept. of Engineering, Italy, <sup>b</sup>University of Palermo, Dept. of Agricultural, Food and Forest Sciences, Italy

#### 6 - PLA-PET COPOLYMER FOR FOOD PACKAGING APPLICATION <u>Silvia Carichino</u><sup>a</sup>, Onofrio Losito<sup>b</sup>, Francesca Lionetto<sup>a</sup>, Lucia D'Accolti<sup>b</sup>, Anna Moscatello<sup>c</sup>, Carola Esposito Corcione<sup>a</sup>, Alfonso Maffezzoli<sup>a</sup> <sup>a</sup>University of Salento, Dept. Innovation Engineering, Italy, <sup>b</sup>University of Bari Aldo Moro, Dept. of Chemistry, Italy, <sup>c</sup>Alpak srl, Taurisano, Italy

### 7 - INSECT PROTEIN-BASED BIOPLASTICS

Black Soldier Fly as sustainable source of raw materials <u>Francesco Iannielli</u><sup>a</sup>, Margherita Izzi<sup>c</sup>, Carmen Scieuzo<sup>a,b</sup>, Andrea Brattelli<sup>c</sup>, Rosanna Salvia<sup>a,b</sup>, Maria Chiara Sportelli<sup>c</sup>, Luigi Gentile<sup>c</sup>, Rosaria Anna Picca<sup>c</sup>, Nicola Cioffi<sup>c</sup>, Patrizia Falabella<sup>a,b</sup> <sup>a</sup>University of Basilicata, Dept. of Basic and Applied Sciences, Italy, <sup>b</sup>Spin-Off XFlies s.r.l., University of Basilicata, Italy, <sup>c</sup>University of Bari Aldo Moro, Chemistry Dept., Italy



- 8 RHEOLOGICAL AND MECHANICAL PROPERTIES AND FILMABILITY OF A BIOCOMPOSITE MADE OF A BIODEGRADABLE POLYMER AND TOMATO BY-PRODUCTS FOR PACKAGING APPLICATION <u>F.P. La Mantia</u><sup>a,b</sup>, M. Cascone<sup>c</sup>, G. Balsamo<sup>a</sup>, A. Balloni<sup>c</sup>, M.C. Citarrella<sup>a</sup> "INSTM, Consorzio Nazionale Interuniversitario di Scienza e Tecnologia dei Materiali, Firenze, Italy, <sup>b</sup>Dipartimento di Ingegneria, Università di Palermo, Italy, <sup>c</sup>Agriplast SpA, Italy
- 9 NON-VOLATILE COMPOUNDS IN PBAT FOOD PACKAGING MATERIAL Antía Lestido-Cardama<sup>a,b,c</sup>, Carlos Vivanco Gil<sup>a,b</sup>, Ronan Cariou<sup>b</sup>, Patricia Vázquez Loureiro<sup>a,b,c</sup>, Letricia Barbosa-Pereira<sup>a,b</sup>, Raquel Sendón<sup>a,b</sup>, Juana Bustos<sup>d</sup>, Alba Arroyo<sup>d</sup>, Perfecto Paseiro Losada<sup>a</sup>, Ana Rodríguez Bernaldo de Quirós<sup>a,b</sup> <sup>a</sup>FoodChemPack Research Group, Department of Analytical Chemistry, Nutrition and Food Science, Faculty of Pharmacy, University of Santiago de Compostela, Spain, <sup>b</sup>Instituto de Materiales (iMATUS), University of Santiago de Compostela, Spain, <sup>c</sup>Oniris, INRAE, LABERCA, Nantes, France; <sup>a</sup>National Food Center, Spanish Agency of Food Safety and Nutrition, Majadahonda, Spain
- 10 TOWARDS VALORIZATION AND SUSTAINABLE PACKAGING. ACTIVE FILMS ENRICHED WITH CHERRY BY-PRODUCTS

**Sandra Mariño-Cortegoso**<sup>ab</sup>, Lucía Jorge Cabaleiro<sup>a</sup>, Ana Rodríguez-Bernaldo de Quirós<sup>ab</sup>, Raquel Sendón<sup>ab</sup>, Letricia Barbosa-Pereira<sup>ab</sup>, Antía Lestido-Cardama<sup>a,b</sup> <sup>a</sup>University of Santiago de Compostela, FoodChemPack research group, Dept. of Analytical Chemistry and Food Science, Santiago de Compostela, Spain, <sup>b</sup>University of Santiago de Compostela, Instituto de Materiales (iMA-TUS), Santiago de Compostela, Spain



## POSTER SESSION

### 11 - OPTIMIZING BIO-BASED PLASTIC PRODUCTION: A comparative study of casting and extrusion methods

**Jéssica Fernanda Pereira**, Sandra Andre Cruz Chemistry Department, Center for Exact Sciences, Federal University of Sao Carlos (UFSCar), Sao Carlos, Brazil

### 12 - PLASTIC BLENDS FROM POTATO BY-PRODUCTS

Franco Dominici<sup>a</sup>, Michela Soccio<sup>b</sup>, Riccardo Zuppiroli<sup>b</sup>, Nadia Lotti<sup>b</sup>, Florian Zikeli<sup>a</sup>, **Luigi Torre**<sup>a</sup>, Debora Puglia<sup>a</sup> <sup>a</sup>University of Perugia, Department of Civil and Environmental Engineering (DICA), Terni, Italy, <sup>b</sup>University of Bologna, Department of Civil, Chemical, Environmental and Materials Engineering, Bologna, Italy

### 13 - OPTIMUM FORMULATION DESIGN OF PBS/GLOCHIDS BIOCOMPOS-ITES FOR AGRI-FOOD APPLICATIONS

Filomena Marchetta<sup>a</sup>, Luciano Di Maio<sup>a</sup>, Sabino De Gisi<sup>a</sup>,

#### Paola Scarfato<sup>b</sup>

<sup>a</sup>University of Salerno, Dept. of Industrial Engineering, Italy, <sup>b</sup>University of Salerno, Dept. of Civil Engineering, Italy

### 14 - DEVELOPMENT OF PBSA COMPOSITES WITH RED GRAPE SKINS POW-DER

Giulia Leni<sup>a</sup>, **Tawanda Jeke**<sup>a</sup>, Andrea Bassani<sup>a</sup>, Yana Madonna<sup>a</sup>, Carmen Minichiello<sup>b</sup>, Andrea Saccani<sup>b</sup>, Laura Sisti<sup>b</sup>, Giorgia Spigno<sup>a</sup> <sup>a</sup>Università Cattolica del Sacro Cuore, Department for Sustainable Food Process, Italy, <sup>b</sup>Università di Bologna, Department of Civil, Chemical, Environmental, and Materials Engineering, Italy



#### 15 - SAFETY OF PBSA AN PBAT FOR FOOD PACKAGING: IDENTIFICATION OF SEMIVOLATILE COMPOUNDS BY GC-MS

<u>**Carlos Vivanco Gil**</u><sup>a,b</sup>, Antía Lestido-Cardama<sup>a,b</sup>,

Letricia Barbosa Pereira<sup>a,b</sup>, Raquel Sendón<sup>a,b</sup>, Juana Bustos<sup>c</sup>, Ana Gasco<sup>c</sup>, Perfecto Paseiro Losada<sup>a</sup>, Ana Rodríguez Bernaldo de Quirósa,<sup>b</sup> <sup>a</sup>Department of Analytical Chemistry, Nutrition and Food Science, Faculty of Pharmacy, University of Santiago de Compostela, Spain, <sup>b</sup>Instituto de Materiales (iMATUS), University of Santiago de Compostela, Spain, <sup>c</sup>National Food Center, Spanish Agency of Food Safety and Nutrition, Majadahonda, Spain

### 16 - HRT<sup>™</sup> FOR SOLVENT RECOVERY PLANT. The new invention for Activated Carbon Regeneration <u>William Boarolo</u>

Engineering Process Construction srl, Novate Milanese, Italy

#### 17 - BIOINSPIRED HYBRID COATING VIA SOL-GEL SYNTHESIS <u>Filippo Ghisoni</u><sup>a</sup>, Raffaele Perrotta<sup>b</sup>, Andrea Fiorati<sup>a,c</sup>, <u>Milard Hadagas</u> isthe India De Nagdaga

Mikael Hedenqvist<sup>b</sup>, Luigi De Nardo<sup>a,c</sup>

<sup>a</sup>Department of Chemistry, Materials and Chemical Engineering "G. Natta", Politecnico di Milano, Italy, <sup>b</sup>Department of Fibre and Polymer Technology, School of Engineering Sciences in Chemistry, Biotechnology and Health, KTH Royal Institute of Technology, Stockholm, Sweden, <sup>c</sup>National Interuniversity Consortium of Materials Science and Technology (INSTM), Florence, Italy

### 18 - GELATIN-BASED COATINGS FROM FISH INDUSTRY RESIDUES FOR EN-HANCED GAS BARRIER PROPERTIES OF PLA FLEXIBLE PACKAGING

Ilaria Poncini<sup>a</sup>, Federica Turrini<sup>b</sup>, Francesco Iannacchino<sup>b</sup>, Raffaella Boggia<sup>b</sup>, **Marco Monti**<sup>a</sup>

<sup>a</sup>Proplast, Alessandria, Italy, <sup>b</sup>University of Genova, Dept. of Pharmacy, Genova, Italy



## POSTER SESSION

#### 19 - SUPPORTING TECHNICAL DOCUMENTATION FOR FOOD CONTACT MATERIALS (FCM): CAST PROJECT

<u>**Cinzia Gesumundo**</u><sup>a</sup>, Maria Rosaria Milana<sup>b</sup>, Silvia Giamberardini<sup>a</sup>, Fabiana Vanni, Giorgio Padula<sup>a</sup>, Roberta Feliciani<sup>a</sup>, Massimo Denaro<sup>a</sup>, Marco De Felice<sup>a</sup>, Veruscka Mannoni<sup>a</sup>

<sup>a</sup>Istituto Superiore di Sanità, Roma, Italy, <sup>b</sup>Former Istituto Superiore di Sanità, Roma, Italy

#### 20 - FOOD CONTACT MATERIALS (FCM)

Effect of Measurement of Uncertainty on Compliance with the Regulation (EU) 10/2011

Veruscka Mannoni, Marco De Felice, Cinzia Gesumundo,

Silvia Giamberardini, Giorgio Padula, Fabiana Vanni, Roberta Feliciani, Massimo Denaro, Patrizia Stefanelli *Istituto Superiore di Sanità, Rome, Italy* 

# 21 - INNOVATIVE ECO-FRIENDLY MATERIALS IN FOOD CONTACT. OVERALL MIGRATION

**Giorgio Padula**<sup>a</sup>, Marco De Felice<sup>a</sup>, Cinzia Gesumundo<sup>a</sup>, Silvia Giamberardini<sup>a</sup>, Veruscka Mannoni<sup>a</sup>, Roberta Feliciani<sup>b</sup>, Massimo Denaro<sup>b</sup>, Maria Rosaria Milana<sup>c</sup>, Fabiana Vanni<sup>a</sup> <sup>a</sup>Istituto Superiore di Sanità, Dipartimento Ambiente e Salute, Italy, <sup>b</sup>Istituto Superiore di Sanità, Organismo Notificato 0373, Italy, <sup>c</sup>Former Istituto Superiore di Sanità, Italy

# 22 - MIGRATION FROM PLASTIC FOOD CONTACT MATERIALS. NIAS AND OLIGOMERS

**Fabiana Vanni**<sup>a</sup>, Marco De Felice<sup>a</sup>, Cinzia Gesumundo<sup>a</sup>, Silvia Giamberardini<sup>a</sup>, Veruscka Mannoni<sup>a</sup>, Giorgio Padula<sup>a</sup>, Serena Abbaleo<sup>b</sup>, Federico Ruberti<sup>b</sup>, Giorgio Fedrizzi<sup>b</sup>, Maria Rosaria Milana<sup>c</sup>, Simonetta Menotta<sup>b</sup> <sup>a</sup>Istituto Superiore di Sanità, Roma, Italy, <sup>b</sup>IZSLER, Reparto Chimico degli Alimenti, Bologna, Italy, <sup>c</sup>Former Istituto Superiore di Sanità, Roma, Italy



### 23 - THE BENEFITS OF FLEXO PLATE MICROCELL PATTERNING

Laura Wood<sup>a,b</sup>, Tim Claypole<sup>a</sup>

<sup>a</sup>Swansea University, Department of Mechanical Engineering, United Kingdom, <sup>b</sup>AliArian, United Kingdom

# 24 - THE INTERACTION BETWEEN ETHANOL AND ETHYL ACETATE IN THE COMBUSTION OF THEIR MIXTURES IN AIR

Valeria Di Sarli<sup>a</sup>, Francesco Cammarota<sup>a</sup>, Benedetta Anna De Liso<sup>b</sup>, Ernesto Salzano<sup>b</sup>

<sup>a</sup>Consiglio Nazionale delle Ricerche, Istituto di Scienze e Tecnologie per l'Energia e la Mobilità Sostenibili, Napoli, Italy <sup>b</sup>Alma Mater Studiorum - Università di Bologna, Dipartimento di Ingegneria Civile, Chimica, Ambientale e dei Materiali, Italy

### 25 - BISPHENOL A DIGLYCIDYL ETHER BEHAVIOUR DURING DIGESTION. First approach using a semi-dynamic in vitro protocol

**L. Pazos-Soto**<sup>a,b</sup>, A. Lestido-Cardama<sup>a,b</sup>, J. Bustos<sup>c</sup>, P. Paseiro-Losada<sup>a</sup>, A. Rodríguez-Bernaldo de Quirós<sup>a,b</sup>, R. Sendón<sup>a,b</sup>, L. Barbosa-Pereira<sup>a,b</sup> <sup>a</sup>FoodChemPack Research Group, Department of Analytical Chemistry, Nutrition and Food Science, Faculty of Pharmacy, University of Santiago de Compostela, Spain, <sup>b</sup>iMATUS, University of Santiago de Compostela, Spain, <sup>c</sup>National Food Centre, Spanish Agency for Food Safety and Nutrition, Majadahonda, Spain

### 26 - DESIGNING ECO-FRIENDLY COATINGS TO EXTEND THE SHELF LIFE OF POST-HARVEST FRUITS AND VEGETABLES

**Laura Aliotta**<sup>a</sup>, Vito Gigante<sup>a</sup>, Bianca Dal Pont<sup>a</sup>, Morena Gabriele<sup>b</sup>, Andrea Lazzeri

<sup>a</sup>University of Pisa, Department of Civil and Industrial Engineering, Pisa, Italy, <sup>b</sup>National Research Council - Institute of Agricultural Biology and Biotechnology (IBBA -CNR), Pisa, Italy



# POSTER SESSION

27 - EXTRACTION OF BIOACTIVE MOLECULES FROM AGRO-WASTE FOR FUNCTIONAL COATINGS IN SUSTAINABLE FOOD PRESERVATION Andrea Cavallero<sup>a</sup>, Cristiana Sbrana<sup>a</sup>, Laryssa Peres Fabbri<sup>a</sup>, Maria Grazia Caruso<sup>a</sup>, Vito Gigante<sup>b</sup>, Laura Aliotta<sup>b</sup>, Morena Gabriele<sup>a</sup> "National Research Council - Institute of Agricultural Biology and Biotechnology, Pisa, Italy, <sup>b</sup>University of Pisa, Department of Civil and Industrial Engineering, Italy

### 28 - UPCYCLING TOMATO PLANT WASTE INTO SUSTAINABLE AND BIODE-GRADABLE 3D-PRINTED FOOD PACKAGING

Maria Clara Citarrella<sup>a,b</sup>, Emmanuel Fortunato Gulino<sup>a,b</sup>,

Roberto Scaffaro<sup>a,b</sup>

<sup>a</sup>University of Palermo, Dept. of Engineering, Italy, <sup>b</sup>INSTM, Consorzio Nazionale Interuniversitario di Scienza e Tecnologia dei Materiali, Firenze, Italy

29 - 360° SHELF LIFE OF STRACCHINO CHEESE: INTEGRATING PCA AND DATA FUSION FOR MULTI-TECHNIQUE SPOILAGE ANALYSIS <u>Muhammad Rehan Khan</u><sup>a</sup>, Lisa Rita Magnaghi<sup>b,c</sup>,

Guglielmo Emanuele Franceschi<sup>b</sup>,Luca Zignego<sup>d</sup>, Elena Bancalari<sup>d</sup>, Marcello Alinovi<sup>d</sup>,Massimiliano Rinaldi<sup>d</sup>, Raffaela Biesuz<sup>b,c</sup>, Lucia Vannini<sup>a,e</sup>, Lorenzo Siroli<sup>a,e</sup>

<sup>o</sup>Department of Agricultural and Food Sciences, University of Bologna, Cesena, Italy, <sup>b</sup>Department of Chemistry, University of Pavia, Italy, <sup>c</sup>INSTM, Unità di Ricerca di Pavia, Italy, <sup>d</sup>Department of Food and Drug, University of Parma, Italy, <sup>e</sup>Interdepartmental Centre for Agri-Food Industrial Research, Campus of Food Science, University of Bologna, Cesena, Italy



### 30 - PHYSICAL AND TECHNOLOGICAL PROPERTIES OF ALGINATE-BASED EDIBLE COATING

**Francesca Malvano**, Donatella Albanese University of Salerno, Department of Industrial Engineering, Italy

- 31 SUSTAINABLE PACKAGING SOLUTIONS FOR MEAT PRODUCTS. IMPACT ON SHELF-LIFE, QUALITY, AND SAFETY OF SALAMI
   Giulia Leni<sup>a</sup>, Laura Principato<sup>b</sup>, Cansu Ekin Gumus-Bonacina<sup>a,c</sup>, Roberta Galli<sup>a</sup>, Giorgia Spigno<sup>a</sup>
   <sup>a</sup>Università Cattolica del Sacro Cuore, Department for Sustainable Food Process, Italy, <sup>b</sup>Innovhub Stazioni Sperimentali per l'Industria S.r.l., <sup>c</sup>Ankara University, Department of Food Engineering, Turkiye
- 32 HEAT-ASSISTED SOLUTION BLOW SPINNING FOR ACTIVE PACKAGING: ONE-STEP FABRICATION OF CROSSLINKED POLYVINYL ALCOHOL FI-BERS WITH ENCAPSULATED ANTIMICROBIAL AGENTS <u>Emmanuel Fortunato Gulino</u>, Roberto Scaffaro University of Palermo, Department Engineering, Italy
- 33 ISSUE OF NANOCELLULOSE MIGRATION IN FOOD PACKAGING AND REGULATORY IMPLICATIONS <u>Mohammed Dilsad Ansari</u><sup>a</sup>, Carlo Punta<sup>a</sup>, Luigi de Nardo<sup>a</sup>,

Laura Principato<sup>b</sup> <sup>a</sup>Politecnico di Milano, Department of Chemistry, Materials, and Chemical Engineering "G. Natta", Milan, Italy, <sup>b</sup>Innovhub Stazioni Sperimentali per l'Industria S.r.l, Milan, Italy



## POSTER SESSION

### 34 - MULTIFUNCTIONAL BIO-COATINGS FOR SUSTAINABLE PAPER-BASED FOOD PACKAGING SOLUTIONS

<u>Antonio Barbato</u>, Loredana Incarnato University of Salerno, Dept. of Industrial Engineering, Italy

#### 35 - MEASURABLE SUSTAINABILITY LCA GUIDELINES FOR FLEXIBLE PACK-AGING ECO-DESIGN

<u>Andrea Cassinari</u><sup>a</sup>, Paola Riccardi<sup>b</sup>, Maurizio Ambroggi<sup>c</sup>, Rosi Barrale<sup>d</sup>, Lorenzo Sacchi<sup>e</sup>

<sup>e</sup>Giflex Scientific Committees Coordinator, Italy, <sup>b</sup>SRCingegneria Srl, Chemical Office Manager, Italy, <sup>c</sup>SRCingegneria Srl, Sustainability Consultant, Italy, <sup>d</sup>Giflex Technical Committee Coordinator, <sup>e</sup>Giflex Sustainability Committee Coordinator

### 36 - TANNINS AS BIO-BASED ADDITIVES FOR SMART FOOD PACKAGING. Developing PHAs-tannin films with multifunctional properties <u>Martina Ferri</u><sup>a,b</sup>, Kseniya Papchenko<sup>c</sup>, Micaela Degli Esposti<sup>a,b\*</sup>, Gianluca Tondi<sup>d</sup>, Maria Grazia De Angelis<sup>c</sup>, Davide Morselli<sup>a,b\*</sup>, Paola Fabbri<sup>a,b</sup>

<sup>a</sup>University Department of Civil, Chemical, Environmental and Materials Engineering (DICAM), University of Bologna, Italy, <sup>b</sup>National Interuniversity Consortium of Materials Science and Technology (INSTM), Firenze, Italy, <sup>c</sup>Institute for Materials and Processes, School of Engineering, University of Edinburgh, UK, <sup>d</sup>Department of Land, Environment, Agriculture and Forestry (TESAF), University of Padua, Italy



### 37 - MECHANICAL RECYCLING OF POLYPROPYLENE FROM SURGICAL MASKS: VALORIZATION FOR APPLICATIONS IN CAST FILM EXTRUSION Maria Chiara Riccelli<sup>a</sup>, Annalisa Apicella<sup>a</sup>, Antonio Barbato<sup>a</sup>, Loredana Incarnato<sup>a</sup> <sup>a</sup>University of Salerno, Dept. of Industrial Engineering, Italy

### 38 - BIODEGRADABLE PVA/STARCH FILMS WITH ZEOLITE ADDITIVE

<u>Mattia Fornaro</u><sup>a</sup>, Barbara Liguori<sup>a, b</sup>, Giuseppe Mensitieri<sup>a, b</sup>, Domenico Caputo<sup>a, b</sup>

<sup>a</sup>University of Naples Federico II, Dept. of Chemical, Materials and Industrial Production Engineering, Italy, <sup>b</sup>National Interuniversity Consortium of Materials Science and Technology (INSTM), Florence, Italy



## **GENERAL INFORMATION**

### DATES

Thursday 27 March, 2025 Friday 28 March, 2025

### VENUE

Fondazione Cariplo Conference Center • Via Romagnosi, 8 - Milan (Italy)

### REGISTRATION/INFORMATION DESK AND CONGRESS SECRETARIAT

#### Location:

Conference Centre, ground floor

### **Opening time:**

March 27: from h. 8.30 to 18.00 March 28: from h. 8.15 to 13.15

### **REGISTRATION FEES** (VAT 22% included)

Giflex Members/ CNR Members/University Professors	€ 300,00
Non Members Giflex	€ 370,00
Students	€ 150,00
Social Dinner*	€ 100,00

\*Social Dinner tickets purchasable upon availability

The registration fee includes

- Admission to the scientific sessions
- Congress badge and kit
- Certificate of attendance
- Coffee breaks, lunch and cocktail according to the program



# **GENERAL INFORMATION**

### SOCIAL DINNER

#### Da Berti Restaurant

Via F. Algarotti, 22 – 20124 Milano dress code: smart casual

### TRANSFER

A bus will leave from NH Milano Touring (Via U. Tarchetti, 22) at 20:15

### **OFFICIAL LANGUAGE**

The official language of the Congress will be English. No simultaneous translation will be provided.

### **SLIDES CENTER**

All speakers should check and upload their presentation at the slides center located inside the Auditorium not less than 30 minutes before their session begins.

### **POSTER SESSION**

The poster session will be available during the whole congress. Authors are kindly invited to be at their poster for poster discussion during the welcome cocktail on March 27 from 18.00 until 19.00 as per the programme schedule.



Milano, (Italy) March 27 - 28, 2025 Fondazione Cariplo

**ORGANIZING SECRETARIAT** 



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