

# WORKSHOP 2° EDIZIONE

I GIOVANI E LA CHIMICA IN



UNIVERSITÀ  
DEGLI STUDI  
DI TERAMO

# PROGRAMMA

**12 - 13 Luglio 2022**

**Piattaforma Microsoft Teams**

## 12 Luglio 2022

9.00 – 9.15 Apertura dei lavori

*Chairperson: Francesco Epifano*

9.15 – 9.45	KN1	<b>Antimo Gioiello</b> (Università di Perugia) STREAMLINING SYNTHESIS AND MEDICINAL CHEMISTRY BY CONTINUOUS FLOW TECHNOLOGY
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*Chairperson: Armando Carlone*

9.45 – 10.00	OC1	<b>Lucia Palumbo</b> (Università “G. d’Annunzio” di Chieti-Pescara) AN EASY WAY FOR THE SIMULTANEOUS HYDROLYSIS, PRE- CONCENTRATION, AND CHEMICAL STABILIZATION OF CROCETIN FROM SAFFRON POWDER
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10.00 – 10.15	OC2	<b>Martina Foschi</b> (Università dell’Aquila) UV-VIS SPECTROSCOPY AND CHEMOMETRICS FOR THE DETECTION OF EXPIRED SAFFRON
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10.15 – 10.30	OC3	<b>Federico Fanti</b> (Università di Teramo) DETERMINATION OF DERIVATIZED SHORT CHAIN FATTY ACIDS IN FAECES BY MEANS OF LC-MS/MS
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10.30 – 10.45	OC4	<b>Nicola Pinna</b> (Università di Perugia) EXTRACTION OF CAROTENOIDS FROM PUMPKINS OF DIFFERENT VARIETIES BY USING INNOVATIVE TECHNIQUES
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10.45 – 11.00 Coffee break

*Chairperson: Serena Fiorito*

11.00 – 11.15	OC5	<b>Angela Tartaglia</b> (Università “G. d’Annunzio” di Chieti-Pescara) FABRIC PHASE SORPTIVE EXTRACTION (FPSE) AS AN EFFICIENT SAMPLE PREPARATION PLATFORM FOR THE EXTRACTION OF ANTIDEPRESSANT DRUGS FROM BIOLOGICAL FLUIDS
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11.15 – 11.30	OC6	<b>Francesco Ferella</b> (Università dell’Aquila - INFN) CHEMISTRY AND MASS-SPECTROMETRY APPLIED TO GRAN SASSO NATIONAL LABORATORIES RENOIR RADIOBIOLOGY EXPERIMENT: MINERALIZATION AND CHARACTERIZATION OF DIFFERENT SAMPLE MATRICES
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- 11.30 – 11.45 OC7 **Rosalba Vitagliano** (Alma Mater Studiorum Università di Bologna)  
 MINIATURISED BLOOD SAMPLES FOR CARIPRAZINE ANALYSIS: AN ANALITICAL APPROACH BASED ON VOLUMETRIC ABSORPTIVE MICROSAMPLING
- 11.45 – 12.00 OC8 **Chiara Collevocchio** (Università “G. d’Annunzio” di Chieti-Pescara)  
 EFFICIENT REMOVAL OF TARTRAZINE FROM AQUEOUS SOLUTIONS BY SOLID SORBENTS

*Chairperson: Antonella Fontana*

- 12.00 – 12.15 OC9 **Giuliana Giorgianni** (Università dell’Aquila)  
 ORGANOCATALYZED MICHAEL ADDITION TO NITROALKENES VIA MASKED ACETALDEHYDE
- 12-15 – 12.30 OC10 **Luciano Mangiapelo** (Università di Perugia)  
 OPTIMIZATION OF CHLOROGENIC ACID EXTRACTION FROM POTATO BY-PRODUCTS
- 12.30 – 13.00 KN2 **Roberto LEONARDI** (The Graphene Company Srl, Milano)  
 PRODUZIONE INDUSTRIALE DI GRAFENE E ALTRI NANOMATERIALI PER UN MONDO SOSTENIBILE

### 13 Luglio 2022

*Chairperson: Fabio Marinelli*

- 9.00 - 9.30 KN3 **Mario Li Vigni** (Valagro Spa)  
 SIAMO CHIMICI, CIOE' CACCIATORI...PERCORSI DI RICERCA E DI CONQUISTA NEL MONDO DELL'UNIVERSITA' E DELL'INDUSTRIA
- 9.30 – 9.45 OC11 **Lorenza Marinaccio** (Università “G. d’Annunzio” di Chieti-Pescara)  
 A COMPARATIVE STUDY ON PHYTOCHEMICAL FINGERPRINT OF TWO DIVERSE *PHASEOLUS VULGARIS* VAR. TONDINO DEL TAVO AND CANNELLINO BIOEXTRACTS
- 10.00 – 10.15 OC12 **Samanta Moffa** (Università “G. d’Annunzio” di Chieti-Pescara)  
 DESIGN OF TARGETED POLYMERIC NANOPARTICLES FOR HUMAN BREAST CANCER CELL LINE

10.15 – 10.30 OC13 **Enrica Rosato** (Università “G. d’Annunzio” di Chieti-Pescara)  
DETERMINATION OF ANIONS IN POSTMORTEM SAMPLES FOR  
FORENSIC EVALUATION

10.30 – 10.45 OC14 **Ina Varfaj** (Università di Perugia)  
ENANTIOSEPARATION OF TWO ANTI-INFLAMMATORY  
CHIRAL SULFOXIDES WITH CELLULOSE-BASED CHIRAL  
STATIONARY PHASES UNDER POLAR-ORGANIC CONDITIONS

10.45 – 11.00 Coffee break

Chairperson: *Marco Chiarini*

11.00 -11.15 OC15 **Fabiola Eugelio** (Università di Teramo)  
DETERMINATION OF QUINOLIZIDINE ALKALOIDS IN *LUPINUS*  
*ALBUS* L. BY MEANS OF HPLC-MS/MS

11.15 -11.30 OC16 **Alessandra Olarini** (Università di Modena e Reggio Emilia)  
CHEMOMETRIC APPROACHES IN HYPERSPECTRAL IMAGING

11.30 – 11.45 OC17 **Selene Fiori** (Università di Teramo)  
BIOCHAR/TRANSITION METAL DICHALCOGENIDES-BASED  
NANOCOMPOSITES FOR ELECTROANALYTICAL PURPOSES

11.45 – 12.00 OC18 **Daniele Tanzilli** (Università di Modena e Reggio Emilia)  
IMPROVE THE INDUSTRIAL PROCESS UNDERSTANDING  
THROUGH CHEMOMETRICS

12.00 – 12.15 OC19 **Ilaria d’Agostino** (Università “G. d’Annunzio” di Chieti-Pescara)  
THE IMPACT OF INCREASING STRUCTURAL RIGIDITY ON  
BENZENESULFONAMIDE SMALL MOLECULES IN *V. CHOLERAE*  
CARBONIC ANHYDRASES INHIBITION: DESIGN, SYNTHESIS,  
COMPUTATIONAL AND ENZYMATIC STUDIES

12.15 – 12.30 OC20 **Annalisa di Rienzo** (Università “G. d’Annunzio” di Chieti-  
Pescara)  
TARGETING ESCAPE PATHOGENS WITH NOVEL CINNAMIC  
ACID-BASED ANTIMICROBIALS

12.30 -12.40 Chiusura dei lavori