

DIPARTIMENTO  
INTERDISCIPLINARE  
DI MEDICINA

DIPARTIMENTO DI  
FARMACIA SCIENZE  
DEL FARMACO

Dipartimento di  
Meccanica,  
Matematica e Management

## ORGANIZING COMMITTEE

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Rossana Bray (Innovation & Creativity Center  
University of Bari, Italy)

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## REGISTRATION

REGISTRATION FEE	AMOUNT DUE
Industry	300,00€ + VAT 22% = 366,00€
Academy*	200,00€ + VAT 22% = 244,00€
Students** (PhD - Ms)	82,00€ + VAT 22% = 100,04€
Aggregate	80,00€ + VAT 22% = 97,60€

\* Academy rate applies to those with a full time position in a non-commercial institute

\*\* Student rate applies to those registered for a higher degree. Student registrations must be accompanied by a signed letter from your head of department attesting to student status.

Politecnico di Bari

UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO

**GENP2018**  
Green Extraction of Natural Products

NOVEMBER 12-13, 2018  
University of Bari - ITALY  
Palazzo di Ateneo - Piazza Umberto 1 - Bari

A number of selected high-impact full text papers, as extended version, will be considered for the **special journal issue of MOLECULES**, the peer-reviewed open access scientific journal that focuses on all aspects of synthetic organic chemistry and natural product chemistry.

Molecules offer APC discounts to the GENP2018 participants.

**molecules**  
an Open Access Journal by MDPI

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## VENUE

The symposium will be held in Bari (Italy), Palazzo di Ateneo, an historical building in the heart of the city near to the train station. A train service connects Bari airport to Bari Nord station in Piazza Aldo Moro.

## DEADLINES

1 JUNE - 1 SEPTEMBER 2018 Abstract submission - 10 OCTOBER 2018  
Registration and payment - 20 OCTOBER 2018 Final program

## ABSTRACT

A one-page abstract in English must be sent within 1st September 2018 by e-mail to the local secretariat [genp2018@uniba.it](mailto:genp2018@uniba.it)

## ABSTRACT TEMPLATE

<https://genp2018.wordpress.com/abstract-template/>

## INNOVATORS

### **in Green Extraction of Natural Products AWARDS**

The GENP2018 Award will recognize researchers in the field of Green Extraction of Natural Products

The Innovators in **Green Extraction of Natural Products Award**, administered by the scientific committee of GENP2018 among the researchers regularly registered at the congress with an oral or poster contribution. This Award recognizes:

– **Early-Career Scientists**

– **Female Innovator Scientists and**

– **Senior Scientists**

in the Green Extraction of Natural Products.

The Early-Career Scientist award will cover the following categories:

1. Innovation in the selection of varieties and use of renewable plant resources.
2. Innovation in the use of alternative solvents and principally water or agro-solvents.
3. Innovation in the reduction of energy consumption by energy recovery and using innovative technologies.
4. Innovation in the production of co-products instead of waste to include the bio- and agro-refining industry.
5. Innovation in the reduction of unit operations and favor safe, robust and controlled processes.
6. Innovation in the obtainment of a non-denatured and biodegradable extract without contaminants.
7. Innovation in the approaches to the fiscal and economic benefits of sustainable green extraction processes

The Female Innovator Scientist and Senior Scientist awards will cover the following categories:

1. Chemistry
2. Engineering
3. Food and science technology
4. Medicine
5. Economy and sustainability

The award parchments will be conferred at a formal ceremony during the social dinner.

## GREEN EXTRACTION OF NATURAL PRODUCTS

The International Congress on Green Extraction of Natural Products (2018) is organized by the University of Bari (Interdisciplinary Department of Medicine and Department of Pharmacy-Pharmaceutical Sciences) and Polytechnic of Bari (Department of Mechanics, Mathematics and Management) – Italy. GENP2018 meeting will feature scientific program of comprehensive talks, plenary sessions, oral and poster presentations. The International Congress on Green Extraction of Natural Products (GENP2018) is focused on agro-food, nutraceutical, perfume, cosmetic, chemical, fuel and energy sectors. The whole value chain of every application is considered; cultivation, extraction, purification, processing and recycling steps. We welcome participants from across the globe to take part in this event which will be held on November 2018, Monday 12 - from 10 am to 7 pm - Tuesday 13 - from 8.30 am to 4 pm, including a session or workshop dealing with the extraction technology of virgin olive oil. On overview on the advancement of Green Extraction and Sustainable Processes will serve as catalyst for connecting scientists and experts within and across disciplines from around the world. Our leading role will be to facilitate the interaction between experts from industry and academia researchers in these fields in order to create information exchange, generation of new ideas and acceleration of applications that benefit society. GENP2018 meeting will feature scientific program of comprehensive talks, plenary sessions, oral and poster presentations of peer-reviewed contributed papers. A range of social activities are also being planned which includes a Networking Dinner with Cultural Performances and sightseeing tours in a city which, with its art, history, nature and culture, sport and tradition, has an exceptional appeal. The Conference Dinner will take place in the prestigious hall in the Petruzzelli theater. We look forward to welcoming you to Bari for the International Congress on Green Extraction of natural Products.

The congress will cover the following topics:

### ► **Alternative solvents for green extraction**

- Supercritical fluid extraction
- Subcritical water extraction
- Agro-solvents
- Solvent free extraction
- Green solvents: ionic liquids, micellar extraction

### ► **Sustainable and clean extraction technologies**

- Ultrasound and microwave processes
- High pressure assisted processes
- Pulse Electric field processes
- Extrusion
- Enzymatic extraction

### ► **Innovative extraction process design**

- Experimental design
- Optimal design
- Intensification (mini, micro devices)
- Reaction/separation coupling (Membrane reactors, Adsorptive reactors, Reactive distillation, Reactive extraction)
- Cleaner production

### ► **Valorisation of by products and biorefinery**

- Thermal processes
- Innovative technologies
- Product optimization, characterization, stabilization and applications
- Industrial applications for the production of fuels, fine chemicals, flavoring agents and pharmaceuticals

### ► **Industrial and case study applications**

- Pharmaceutical
- Food and nutrition
- Cosmetic and perfume
- Fuel and bio-energy enzymatic extraction
- Fiscal and economic benefits of sustainable green extraction processes

### ► **New tools for green extraction education and operator training**

<https://genp2018.wordpress.com>