

I U P A C



**31ST INTERNATIONAL SYMPOSIUM ON THE
CHEMISTRY OF NATURAL PRODUCTS**

11TH INTERNATIONAL CONGRESS ON BIODIVERSITY

**OCTOBER 15TH - 19TH 2023
NAPOLI, ITALY**



**Congress Center of the Hotel Royal Continental
*Via Partenope, 38, 80121 Napoli IT***

 **EuChemS**
EuChemS Recognized Event

ORGANIZERS



I U P A C

INTERNATIONAL UNION OF
PURE AND APPLIED CHEMISTRY



Società
Chimica
Italiana



Istituto di
Chimica
Biomolecolare



eu:openscreen

Dear colleagues,

On behalf of the Scientific and Organizing Committee, I am pleased to welcome you to the IUPAC 31st International Symposium on the Chemistry of Natural Products and the 11th International Congress on Biodiversity (ISCNP31 and ICOB11), which will be held in Napoli, Italy, and hosted at the Conference Center of the Royal Continental Hotel.

The Italian chemical community has a long tradition in the field of research on natural products and related aspects of biodiversity and chemical ecology, and this is particularly true in the Campania Region, where scientific groups located at the University of Napoli “Federico II”, the University of Salerno, the Institute of Biomolecular Chemistry (CNR) and the “Anton Dohrn” Zoological Station are actively involved in these research activities.

Scientists from these scientific institutions, together with colleagues from other parts of Italy, have been deeply involved in the organization of the event, which finally returns after Athens 2018 due to the long pandemic break.

We are extremely grateful to the colleagues who accepted our invitation as speakers and to all the other participants from around the world who submitted high-quality abstracts, enriching the scientific program, and helping to make this symposium a reality.

I would also like to thank all the scientific institutions and commercial sponsors indicated in the program for their precious financial support and EU-Openscreen for organizing the interesting Satellite Workshop planned at the end of the symposium.

We are proud that IUPAC ISCNP31 and ICOB11 are taking place in Napoli, with the support of the Italian chemical community and with the auspices of Società Chimica Italiana, EuChemS, Phytochemical Society of Europe and Society for Medicinal Plant and Natural Product Research.

We thank you all for your participation and hope that this symposium will be a fantastic opportunity to meet eminent scientists from around the world in the informal and stimulating atmosphere of the venue on the Napoli waterfront.

We wish everyone a fruitful and pleasant stay.

Best regards,

Raffaele Riccio

Symposium Chair

ORGANIZATION

INTERNATIONAL ADVISORY BOARD

- Francesco Nicotra, Università degli Studi di Milano Bicocca, Co-Chair
- Vanderlan da Silva Bolzani, Universidade Estadual Paulista, Brazil
- Margaret Brimble, University of Auckland, New Zealand
- Janine Cossy, ESPCI, France
- Jon Clardy, Harvard University, USA
- Roberto Danovaro, Stazione Zoologica Anton Dohrn, Italy
- Sabine Flitsch, University of Manchester, UK
- Tobias Gulder, Technical University of Munich, Germany
- De-an Guo, Shanghai Institute of Materia Medica, China
- Jason Brian Harper, University of New South Wales, Australia
- Slavomir Jarosz, Polish Academy of Sciences, Poland
- Nikolay Nifantiev, Russian Academy of Sciences, Russia
- Barry R. O'Keefe, NIH National Cancer Institute, USA
- Priyani Paranagama, Institute of Chemistry Ceylon, Sri Lanka
- Virinder Parmar, University of Massachusetts Lowell, USA
- Philip J. Proteau, Oregon State University, USA
- Amelia Pilar Rauter, Universidade de Lisboa, Portugal
- Judith Maria Rollinger, University of Vienna, Austria
- Vassilios Roussis, National and Kapodistrian University of Athens, Greece
- Injae Shin, Yonsei University, Korea
- Leandros Skaltsounis, National and Kapodistrian University of Athens, Greece
- Deniz Tasdemir, GEOMAR Centre for Marine Biotechnology, Germany
- Minoru Ueda, Tohoku, Japan
- Zhen Xi, Nankai University, China

SCIENTIFIC AND ORGANIZING COMMITTEE

Università degli Studi di Salerno

- Raffaele Riccio - Chairman
- Rita Patrizia Aquino
- Giuseppe Bifulco
- Ines Bruno
- Pietro Campiglia
- Nunziatina De Tommasi
- Gianluca Sbardella

Università degli Studi di Napoli Federico II

- Valeria Costantino
- Maria Valeria D'Auria
- Marco d'Ischia
- Rosa Lanzetta
- Virginia Lanzotti

- Alfonso Mangoni
- Antonio Molinaro
- Alessandra Napolitano
- Orazio Taglialatela Scafati
- Angela Zampella

Consiglio Nazionale delle Ricerche (CNR)

- Lidia Armelao
- Angelo Fontana
- Margherita Gavagnin
- Maurizio Peruzzini

Stazione Zoologica Anton Dohrn, Napoli

- Donatella De Pascale
- Giovanna Romano

Università degli Studi del Piemonte Orientale

- Giovanni Appendino

Università degli Studi di Palermo

- Maurizio Bruno

Università degli Studi di Parma

- Gianni Galaverna

Università degli Studi di Padova

- Paolo Scrimin

SECRETARIAT



Tel.: +39 0818770604

Fax: +39 0818770258

E-mail: info@yesmeet.it

Via San Nicola, 4

80067 Sorrento (NA) - Italia

GENERAL INFORMATION ON IUPAC ISCNP31 & ICOB11

CONFERENCE VENUE

Hotel Royal Continental - Via Partenope, 38 Napoli, Italy

LIABILITY AND INSURANCE

The organizers are not able to take responsibility whatsoever for injury or damage involving persons and property during the congress.

INSTRUCTION FOR PRESENTERS

Oral Presentations

Each oral slot includes time for questions and discussion.

The official language of the Conference is English.

Presenters are invited to upload their presentation files (.ppt), with a USB memory stick, at the slide point (Registration Desk) no later than half a day before their scheduled presentation. Uploaded files will be available on the lecture room facility.

Speakers are invited to check their presentation on the available PC before any session. The available presentation system supports ONLY Microsoft WINDOWS and the latest versions of the presentation software. If the presentation includes any video, the required file format is "avi".

Poster Session

Two poster sessions have been scheduled: Tuesday 17th October and Wednesday 18th October.

Poster Session 1 - 17th October 2023 18h15 - 20h00

From P1 to P60

Topics:

ST1 Bioactive Natural Products and Drug Discovery

ST2 Role of Natural Products in Cosmetic Formulations

ST3 Food and Food Supplements

Poster Session 2 – 18th October 2023 18h15 - 19h45

From P61 to P120

Topics:

ST1 Bioactive Natural Products and Drug Discovery

ST4 Innovative and Eco-Friendly Materials

ST5 Biodiversity and Chemical Ecology

ST6 New Methodologies in Natural Products Research

Corresponding numbers can be found in the poster list at the end of this booklet.

Posters included in the first session (17th October) must be removed at the end of the session 1.

Posters included in the second session (18th October) must be put up the 18th of October and removed before the end of the day. Necessary tools will be available at the Registration desk. All authors presenting a poster are asked to print their poster.

OPENING REGISTRATION

Registration desk will open from Sunday October 15th, from 13:00 onwards and every day from 08:30 until the end of the sessions.

NAME BADGE POLICY

Participants are kindly requested to exhibit their conference name badges during all scientific sessions and social events.

SPONSORS

GOLD



BRONZE



SUPPORTERS

Society for Medicinal Plant and
Natural Product Research



Gesellschaft für Arzneipflanzen-
und Naturstoff-Forschung e.V.



SCHEMATIC PROGRAM

Sunday October 15th 2023

13:00	15:00	Registration
15:00	16:00	Opening Ceremony
16:00	18:00	Plenary Session
19:00	21:00	Welcome cocktail

Monday October 16th 2023

9:00	11:15	Parallel Sessions
		ST1 - Bioactive Natural Products and Drug Discovery
		ST3 - Food and Food Supplements
11:15	11:45	Coffee break
11:45	13:05	Plenary Session
13:15	14:45	Lunch break
15:00	18:45	Parallel Sessions
		ST1 - Bioactive Natural Products and Drug Discovery
		ST2 - Role of Natural Products in Cosmetic Formulations
		ST5 - Biodiversity and Chemical Ecology
16:30	17:00	Coffee break

Tuesday October 17th 2023

9:00	10:20	Plenary Session
10:20	11:00	Coffee break
11:00	13:00	Parallel Sessions
		ST1 - Bioactive Natural Products and Drug Discovery
		ST6 - New Methodologies in Natural Products Research
13:00	14:30	Lunch break
14:45	18:15	Parallel Sessions
		ST1 - Bioactive Natural Products and Drug Discovery
		ST6 - New Methodologies in Natural Products Research
16:15	16:45	Coffee break
18:15	20:00	Poster Session 1: PO1-PO60 (ST1, ST2, ST3)

Wednesday October 18th 2023

9:00	10:20	Plenary Session
10:20	11:00	Coffee break
11:00	13:00	Plenary Session
13:00	14:30	Lunch break
14:45	18:15	Parallel Sessions
		ST1 - Bioactive Natural Products and Drug Discovery
		ST5 - Biodiversity and Chemical Ecology
16:15	16:45	Coffee break
18:15	19:45	Poster Session 2: PO61-PO120 (ST1, ST4, ST5, ST6)
21:00		Symposium Dinner

Thursday October 19th 2023

9:00	10:50	Plenary Session
10:50	11:20	Coffee break
11:20	12:00	Plenary Session
12:00	12:30	Closing ceremony
14:00	17:00	Satellite Workshop at ISCNP13 & ICOB11 by EU-Openscreen:
		“Accelerating natural product discovery by academic and industrial collaborative initiatives”

SCIENTIFIC PROGRAM

Sunday October 15th 2023

13:00	15:00	Registration
Auditorium Royal Continental		
15:00	16:00	Opening Ceremony
16:00	18:00	PLENARY SESSION
Chairs: Maria Valeria D'Auria, Antonio Molinaro		
16:00	16:40	PL1 Peter Seeberger "Automated glycan assembly as basis for life science and material science"
16:40	17:10	IL1 Mark Brönstrup "Assault, siege or trojan horse strategy: use of natural products to fight bacterial infections"
17:10	17:50	PL2 Valerie J. Paul "Marine chemical ecology in a changing ocean"
17:50	18:30	PL3 Paul Reddell "From rainforest to clinic: A case study of the scientific and developmental challenges in commercialising natural products as pharmaceuticals"
19:00	21:00	Welcome cocktail

Monday October 16th 2023

09:00	11:15	MORNING PARALLEL SESSIONS
ST1 - BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY		
Auditorium Royal Continental		
Chairs: Roberto Berlinck, Marialuisa Menna		
09:00	09:30	ST1 KN1 Rachel Mata "An overview of the chemistry and bioactivity of the fungal genus <i>Malbranchea</i> "
09:30	09:45	ST1 OR1 Maria Laura Bellone "Investigation of the mechanism of action of the Propolis-Punica granatum mixture as an additional therapeutic source for rheumatoid arthritis treatment"
09:45	10:00	ST1 OR2 Sabrina Bertini "Synthesis and physio-chemical properties of sulfated tamarind (<i>Tamarindus indica</i> L.) seed polysaccharide"
10:00	10:15	ST1 OR3 Matthias Bierenstiel "MASKWIO'MI: investigation of medicinal properties of a Canadian indigenous topical skin remedy made from birch bark"
10:15	10:30	ST1 OR4 Tania Ciaglia "In vitro and in vivo pharmacological characterization of a potent indole-based soluble epoxide hydrolase inhibitor"
10:30	10:45	ST1 OR5 Claudia Sciacca "Bioactive neolignans magnolol, honokiol and obovatol and their synthetic analogues as digestive enzymes inhibitors"

10:45	11:00	ST1 OR6 Fernando Reyes “Crossiellidines A-F, unprecedented pyrazine-alkylguanidine metabolites with broad-Spectrum anti-bacterial activity from <i>Crossiella</i> sp.”
11:00	11:15	ST1 OR7 Laura Grauso “Diarylheptanoids from the seagrass <i>Zostera marina</i> : an intriguing history”

ST3 - FOOD AND FOOD SUPPLEMENTS

Mirabilis Room

Chairs: Maria Valeria D’Auria, Gianni Galaverna

09:00	09:30	ST3 KN1 Isidra Recio “Protein gastrointestinal digestion and intestinal sensing for satiety”
09:30	09:45	ST3 OR1 Manuela Giovanna Basilicata “Integrated analytical tools and bioassays to elucidate the protective role of a novel Spirulina, Ganoderma and Moringa combination in a doxorubicin mediated cardiac damage models”
09:45	10:00	ST3 OR2 Martina Cirlini “Hemp seeds: a source of potential bio-active natural compounds”
10:00	10:15	ST3 OR3 Gilda D’Urso “Fecal metabolomic fingerprinting of breastfed late preterm infants versus postbiotic-supplemented formula milk”
10:15	10:30	ST3 OR4 Marcos Soto-Hernandez “Mexican purple corn: a promising source of anthocyanins”
10:30	10:45	ST3 OR5 Tullia Tedeschi “Evaluation of in vitro whey protein digestibility in a protein-catechins model system mimicking milk chocolate”
10:45	11:15	ST3 KN2 Manuel Coimbra “Carbohydrates in food - Challenges and opportunities for clean label strategies”
11:15	11:45	Coffee break

Auditorium Royal Continental

11:45	13:05	PLENARY SESSION
		Chairs: Lidia Armelao, Alexios Leandros Skaltsounis
11:45	12:25	PL4 Meng Zhou “Tetrodotoxin: chemistry, history, nature, opportunity”
12:25	13:05	PL5 Maria Chiara Carrozza , Presidente Consiglio Nazionale delle Ricerche “Biodiversity: our path to a sustainable future”
13:15	14:45	Lunch break
15:00	18:45	AFTERNOON PARALLEL SESSIONS

ST1 - BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY

Auditorium Royal Continental

Chairs: Mary Garson, Agostino Casapullo

15:00	15:30	ST1 KN2 Kristyna Skalicka Woźniak "Investigations into the pharmacokinetics and possible neuropharmacological modes of action of coumarins in different model organism"
15:30	15:45	ST1 OR8 Valeria Iobbi "Exploitation of ligurian rosemary ecotypes for a sustainable development"
15:45	16:00	ST1 OR9 Ismail Nor Hadiani "Search for Dengue antiviral compounds from <i>Goniothalamus lanceolatus</i> Miq., an indigenous Malaysian plant"
16:00	16:15	ST1 OR10 Laurence K. Jennings "Plumoside, a novel cysteine-rich peptide hydrogel from the Irish sponge <i>Phorbas plumosus</i> "
16:15	16:30	ST1 OR11 Olga Karoutzou "Chemistry and leishmanicidal activity of Artemisia spp. from Greece"
16:30	17:00	Coffee break
Chairs: Maria Chiara Monti, Orazio Tagliatela Scafati		
17:00	17:30	ST1 KN3 Wen Zhang "Marine function molecules: from chemical recognition to target detection"
17:30	17:45	ST1 OR12 Yuta Kudo "MS-guided discovery of novel tricyclic guanidino compounds from tetrodotoxin-bearing newts and new analogues of antimalarial phosphotriester salinipostin from actinobacteria"
17:45	18:00	ST1 OR13 Naoki Kurisawa "Structural determination, total synthesis, and biological activity of lezoside, a highly potent Ca ⁺ -AT-Pase inhibitor from marine cyanobacteria"
18:00	18:15	ST1 OR14 Zhao-Xun Liang "Pathway retrofitting yields insights into the biosynthesis of anthraquinone-fused enediyne"
18:15	18:30	ST1 OR15 Maria Maisto "Optimization of ursolic acid extraction in oil from annurca apple to obtain oleolytes with potential depigmentation activity"

ST2 - ROLE OF NATURAL PRODUCTS IN COSMETIC FORMULATIONS

Mirabilis Room 1

Chairs: Federica Borsa, Rita Patrizia Aquino, Stefano Manfredini		
15:00	15:30	ST2 KN1 Manuela Coroama "The European Green Deal: impact for cosmetics"
15:30	15:45	ST2 OR1 Erika Baldini "Exploring botanical extracts for sustainable cosmetics: enhancing agronomic heritage and antioxidant stability"
15:45	16:00	ST2 OR2 Tiziana Esposito "Green Concept and Technologies for microalgal bio-based cosmetics"
16:00	16:15	ST2 OR3 Piera Di Martino "Upcycling squalene as penetration enhancer in dermatological and cosmetic formulations"

16:15	16:30	ST2 OR4 Claudio Pirovano "Bio-based film-formers: the future of long-wear makeup"
16:30	17:00	Coffee break
Chairs: Federica Borsa, Stefano Manfredini, Piera Di Martino		
17:00	17:30	ST2 KN2 Gaetano Distefano "Remixing nature: the new renaissance of plant-based cosmetic ingredients"
17:30	17:45	ST2 OR5 Annalisa Tito "Biological activity assessment of active ingredients"
17:45	18:00	ST2 OR6 Maria Rosa Gigliobianco "Green approach for the activation of polyphenolic compounds for dermatological and cosmetic applications"
18:00	18:15	ST2 OR7 Immacolata Faraone "Protective effect of <i>Camellia sinensis</i> L. extracts on UVB-irradiated fibroblasts to use in cosmetic formulations"

ST5 - BIODIVERSITY AND CHEMICAL ECOLOGY

Mirabilis Room 2

Chairs: Juri Nascimbene, Valerie Paul		
15:00	15:30	ST5 KN1 Ferdinando Boero "Life is Chemistry? Not only"
15:30	15:45	ST5 OR1 Morgane Mauduit "Accessing the hidden treasure of brominated exometabolites released by two Mediterranean sponges"
15:45	16:00	ST5 OR2: Gerardo Della Sala "Linking genomics and metabolomics to discover bioactive natural products in marine extremophiles"
16:00	16:30	ST5 KN2 Ernesto Mollo "The potential of chemical ecology to explore marine biodiversity at ecosystem, species, and genetic levels"
16:30	17:00	Coffee break
Chairs: Angelo Fontana, Lars Bohlin		
17:00	17:30	ST5 KN3 Simonetta Fraschetti "The need of healthy oceans"
17:30	17:45	ST5 OR3 Giovanni Andrea Vitale "Investigating the role of cyanobacteria protease inhibitors on modulating the exo-metabolome in the marine microbial loop"
17:45	18:00	ST5 OR4 Tania Russo "An alien metabolite and an anthropogenic chemical hazard compared on <i>Mytilus galloprovincialis</i> "
18:00	18:15	ST5 OR5: Carmen Gallo "Sterol sulfates as deadly mediators in marine diatoms and triggers in innate immune system"
18:15	18:30	ST5 OR6: Giovanna Romano "Potential of marine diatoms for bioactive secondary metabolites production: ecological and biotechnological implications"

Tuesday October 17th 2023

Auditorium Royal Continental

09:00	11:00	PLENARY SESSION
Chairs: Gianluca Sbardella, Minoru Ueda		
09:00	09:40	PL6 Karl-Heinz Altmann "Total Synthesis and Functional Exploration of Macrocyclic Natural Products"
09:40	10:20	PL7 Luigi Mondello "Advanced analysis of lipids in food samples using innovative chromatographic and mass spectrometric approaches"
10:20	11:00	Coffee break
11:00	13:00	MORNING PARALLEL SESSIONS

ST1 - BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY

Auditorium Royal Continental

Chairs: Christian Hertweck, Ernesto Mollo

11:00	11:30	ST1 KN4 Maria Halabalaki "Bioavailability and metabolism aspects of natural bioactives. The case of phenylalcohols and secoiridoids"
11:30	11:45	ST1 OR16 Simone Manetto "Absolute configuration and configurational stability of cannabichromene (CBC), a scalemic phytocannabinoid"
11:45	12:00	ST1 OR17 Laura Siracusa "The crucial role of soil less cultivation techniques in Natural Product - based industrial applications: the project <Botanicals>"
12:00	12:15	ST1 OR18 Jiří Hodoň "Triterpenoid pyridines and pyrazines as potential anticancer agents"
12:15	12:30	ST1 OR19 Sandra Latchman "The chemical transformation of stemodin into biologically active analogues"
12:30	13:00	ST1 KN5 Alba Silipo "Solving the sugar code: structure and immune recognition of glycans"

ST6 - NEW METHODOLOGIES IN NATURAL PRODUCTS RESEARCH

Mirabilis Room

Chairs: Jürg Gertsch, Angela Zampella,

11:00	11:30	KN (interdisciplinary) Valeria Costantino "Fosters interdisciplinary conversations for sustainable science"
11:30	11:45	ST6 OR1 Gaia Burgio "Exploring the complexity of natural products with Assembly Theory & Mass Spectrometry"
11:45	12:00	ST6 OR2 David Touboul "Identification of chemical defenses of a tropical tree <i>Sextonia rubra</i> using molecular networks from GC-MS, LC-MS/MS and MALDI-MS/MS imaging data"

12:00	12:15	ST6 OR3 Maurice Brogly "New insights in chemical structure determination of wood-derivative polymers"
12:15	12:30	ST6 OR4 Clelia Aimone "Sustainable extraction protocols for chestnut wood valorization"
12:30	13:00	ST6 KN1 Maria Chiara Monti "Proteomics-aided insight to disclose natural products cellular targets"
13:00	14:30	Lunch break
14:45	18:15	AFTERNOON PARALLEL SESSIONS

ST1 - BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY

Auditorium Royal Continental

Chairs: Krystyna Skalicka Woźniak, Valeria Costantino

14:45	15:15	ST1 KN6 Carmen Galan "Controlling G4 DNA topology with small molecules: towards the development of novel therapeutics"
15:15	15:30	ST1 OR20 Shauna O'Brien "Chlorinated atropisomers from cyanobacteria in the West of Ireland"
15:30	15:45	ST1 OR21 Otsuki Kouharu "Anti-HIV macrocyclic daphnane orthoesters from <i>Edgeworthia chrysantha</i> "
15:45	16:15	ST1 KN7 Emiliano Manzo "Sulfur-containing glycolipids, the access key for triggering and study the response of innate immune cells"
16:15	16:45	Coffee break

Chairs: Alfonso Mangoni, Jörn Piel

16:45	17:15	ST1 KN8 Antonio Molinaro "Glycoscience in microbial world: the power of sugars"
17:15	17:30	ST1 OR22 Monica Scognamiglio "Metabolomics approach for the rapid identification of cytotoxic cycloartane saponins from <i>Astragalus</i> species"
17:30	17:45	ST1 OR23 Elena Serino "PPAR γ / α modulation of new amorfrutins from <i>Glycyrrhiza foetida</i> "
17:45	18:00	ST1 OR24 Simon Sieber "Catch, enrich and release natural products from complex matrix"
18:00	18:15	ST1 OR25 Diana Lopes "Mucus of the photosynthetic sea slug <i>Elysia crispata</i> : proteome and anti-bacterial activity"

ST6 - NEW METHODOLOGIES IN NATURAL PRODUCTS RESEARCH

Mirabilis Room

Chairs: Giuseppe Bifulco, Josè Maria Lagaron

14:45	15:15	ST6 KN2 Ariel Sarotti "Recent advances in computational NMR methods in the structural elucidation of natural products"
-------	-------	---

15:15	15:30	ST6 OR5 Ye Yang "Machine learning-integrated natural product chemistry research"
15:30	15:45	ST6 OR6 Hiroshi Otani "Development and application of new technologies to elucidate the transcriptional regulatory networks controlling secondary metabolite production"
15:45	16:00	ST6 OR7 Xavier Franck "Synthesis of fluorescent or bioactive azaphilones"
16:00	16:15	ST6 OR8 Lucas F. S. Hess "Beyond nature: development of a betalain-flavylium dye"
16:15	16:45	Coffee break
Chairs: Maria Halabalaki, Alessandra Napolitano		
16:45	17:15	ST6 KN3 Maria Giovanna Chini "From structural studies of natural products to the design of novel bioactive derivatives by NMR and computational techniques"
17:15	17:30	ST6 OR9 Ioannis Gerothanassis "Novel aspects in molecular recognition of natural products with serum albumin and the anti-apoptotic protein Bcl-2 with the combined use of NMR and docking calculations"
17:30	17:45	ST6 OR10 Jia Liu "Deep spatial multi-omics profiling of cholangiocellular carcinoma patients"
17:45	18:00	ST6 OR11 Martin Klapper "Reconstruction of paleolithic bacterial genomes adds time axis in natural product discovery"
18:00	18:15	ST6 OR12 Flore Caré "Innovative processes for natural active ingredients extraction and their online functionalization using flow chemistry technology"
Poster Rooms		
18:15	20:00	Poster Session 1: PO1-PO60 (ST1, ST2, ST3)

Wednesday October 18th 2023

Auditorium Royal Continental

09:00	11:00	PLENARY SESSION
Chairs: Alba Silipo, Ren-Xiang Tan		
09:00	09:40	PL8 Christian Hertweck "Natural product biosynthesis in under-explored microbial niches"
09:40	10:20	PL9 Roberto Danovaro "Deep-sea microbial biodiversity as a potential source of natural products"
10:20	11:00	Coffee break
11:00	13:00	MORNING PARALLEL SESSIONS

ST1 - BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY**Auditorium Royal Continental****Chairs: Carmen Galan, Ariel Sarotti**

11:00	11:30	ST1 KN9 Mary Garson "Game of terpenes: structures, stereochemistry and biosynthesis"
11:30	11:45	ST1 OR26 Marcos Soto-Hernandez "Sechium edule genotypes as a source of natural products with pharmacological activity"
11:45	12:00	ST1 OR27 Rui Tan "Mangiferin modified self-function of bone marrow mesenchymal stem cell to exert neuroprotection for cerebral ischaemia reperfusion injury therapy"
12:00	12:15	ST1 OR28 Wai Lam Tse "Lanostane-type triterpenes from <i>Inonotus obliquus</i> exert cytotoxicity against dog bladder cancer organoids"
12:15	12:30	ST1 OR29 Minoru Ueda "Development of Natural-Product-based molecular glue for a specific subtype of plant hormone co-receptor"
12:30	13:00	ST1 KN10 Agostino Casapullo "Label-free MS-based proteomics in target discovery of natural products"

ST4 - INNOVATIVE AND ECO-FRIENDLY MATERIALS**Mirabilis Room****Chairs: Manuel Coimbra, Francesco Nicotra**

11:00	11:30	ST4 KN1 Jose M. Lagaron "From natural products and bio-wastes to organic recyclable added value applications"
11:30	11:45	ST4 OR1 Barbara Biasotti "Cationic guar: from a natural source to a sustainable cosmetic ingredient"
11:45	12:00	ST4 OR2 Aikaterini Argyropoulou "Utilization of olive agricultural residues for the development of high added value products for the wood processing industry"
12:00	12:15	ST4 OR3 Kwang-Ho Choo "Eco-friendly fertilizer production through sustainable nutrient recovery from wastewater effluent using vacuum-enhanced membrane distillation"
12:15	12:45	ST4 KN2 Laura Russo "Hyaluronic acid/gelatin based, A. I. aided, synthesis of 3D human tissue mimetics"
13:00	14:30	Lunch break
14:45	18:15	AFTERNOON PARALLEL SESSIONS

ST1 - BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY**Auditorium Royal Continental****Chairs: Isidra Recio, Wen Zhang**

14:45	15:15	ST1 KN11 Roberto Berlinck "Contemporary and classical approaches for the discovery of bioactive secondary metabolites"
-------	-------	---

15:15	15:30	ST1 OR30 Milan Urban "Lupane triterpenoids and their neuro-protective activity in several neurodegeneration models"
15:30	15:45	ST1 OR31 Alessandro Vaglica "Isolation and characterization of guaianolide-type sesquiterpene lactones and chemical analysis of essential oil from sicilian endemic <i>Siler siculum</i> "
15:45	16:00	ST1 OR32 Giel Vanreppelen "A pipeline towards the identification of novel antimicrobial compounds derived from the microbial dark matter"
16:00	16:15	ST1 OR33 Ali El Gamal "New iridoids and phenolic secondary metabolites from <i>Nuxia congest</i> growing in Saudi Arabia"
16:15	16:45	Coffee break
Chairs: Rachel Mata, Laura Russo		
16:45	17:15	ST1 KN12 Marialuisa Menna "Unraveling the marine natural products chemical space"
17:15	17:30	ST1 OR34 Maria Carmina Scala "Rational design of lactoferrin-derived peptides active towards influenza virus: identification of a novel potent tetrapeptide"
17:30	17:45	ST1 OR35 Sacha Pidot "Discovery and biosynthesis of the cytotoxic polyene terpenomycin in human pathogenic <i>Nocardia</i> "
17:45	18:00	ST1 OR36 Theodora Papagrigoriou "In vitro antioxidant, antimicrobial and anti-inflammatory screening of Greek <i>Amelanchier ovalis</i> Medik. leaves and twigs extracts"
18:00	18:15	ST1 OR37 Ravi Saini "From nature to cancer therapy: evaluating the RTK-inhibiting potential of <i>Streptomyces clavuligerus</i> secondary metabolites"

ST5 - BIODIVERSITY AND CHEMICAL ECOLOGY

Mirabilis Room

Chairs: Nunziatina De Tommasi, Giovanna Romano		
14:45	15:15	ST5 KN4 Jürg Gertsch "From biodiversity to pharmacodiversity: harnessing molecular mechanisms for future drug discovery"
15:15	15:30	ST5 OR7 Veronique Eparvier "Chemical interaction and communication in insect holobionts"
15:30	15:45	ST5 OR8 Pierluigi Reveglia "Uncovering phytotoxic metabolites from <i>Colletotrichum</i> spp. involved in legume diseases by OS-MAC-Metabolomics approach"
15:45	16:00	ST5 OR9 Stefan Schulz "The unique cuticular and defense chemistry of Collembola"
16:00	16:15	ST5 OR10 Juliette Segret "Chemical diversity and chemotaxonomy of neo-tropical Xylariales fungi"

16:15	16:45	Coffee break
Chair: Carmen Festa		
16:45	17:15	ST5 KN5 Juri Nascimbene "Lichen biodiversity in terrestrial ecosystems: an evolutionary, biogeographic, and ecological perspective"
17:15	17:30	ST5 OR11 Christine Chichioco Hernandez "Identification of cysteine-knot peptides in Philippine plant species"
17:30	17:45	ST5 OR12 Juliana Oliveira "Tintenstrich communities: a first insight into alpine cyano-lichen"
17:45	18:00	ST5 OR13 Daniel C. Ripoll "Insecticidal activity against storage pests of the essential oils of four aromatic species obtained under different extraction conditions"
Poster Rooms		
18:15	19:45	Poster Session 2: PO61-PO120 (ST1, ST4, ST5, ST6)
21:00	Symposium Dinner	
Thursday October 19th 2023		
Auditorium Royal Continental		
Chairs: Francesco Nicotra, Bahne Stechmann		
09:00	09:40	PL10 Ren-Xiang Tan "Marine symbionts, a rich source of useful chemicals and enzymes"
09:40	10:20	PL11 Alessandra Napolitano "Natural polyphenols as versatile materials for applications in biomedical and food sectors: powering their potential by chemical manipulation and green methodologies"
10:20	10:50	IL2 Olga Genilloud "Exploring the diversity of microbial natural products and current challenges in drug discovery"
10:50	11:20	Coffee break
Chair: Raffaele Riccio		
11:20	12:00	PL12 Jörn Piel "Sustainable sources of natural products from marine invertebrates"
12:00	12:30	Closing ceremony

Satellite Workshop at ISCNP13 & ICOB11 by EU-Openscreen

Accelerating natural product discovery by academic and industrial collaborative initiatives

Auditorium Royal Continental

Natural products continue to play an important role in drug discovery due to their molecular complexity and privileged structures. Their potency and selectivity derived from extended evolution selection makes them attractive as starting points for new drug candidate development. In fact, more than a third of recently approved medicines are natural products or derived from compounds found in organisms. Nevertheless, only a fraction of reported scaffolds is available in commercial libraries and access to HTS-amenable libraries remains an important challenge. During this workshop, which is organised by EU-OPENSREEN, we will discuss various initiatives in academia which address this challenge. The speakers will present publicly available natural compound collections, local bioprospecting efforts and European collaborative initiatives, which aim to expand the availability of high quality, annotated natural product-based libraries for drug discovery projects.

14:00	14:10	Welcome and Introduction to the workshop
14:10	14:30	Olga Genilloud: Fundación MEDINA, Spain - "Marine natural products bioprospecting and collaboration opportunities at EU-OPENSREEN"
14:30	14:50	Bahne Stechmann: EU-OPENSREEN, Germany - "EU-OPENSREEN: A multinational initiative to support collaborative projects in chemical biology"
14:50	15:10	Aigars Jirgensons: Latvian Institute of Organic Synthesis, Latvia - "Horizon Europe ERA Chair project: Natural Products Research at Latvian Institute of Organic Synthesis as a driver for Excellence in Innovation (NATALION)"
15:10	15:30	Espen Hansen: University of Tromsø, Norway - "Marine bioprospecting with an Arctic perspective: The Marbio screening platform and its involvement in larger European projects"
15:30	15:50	Marianna Iorio: NAICONS, Italy - "micro4all: a Major Change in Drug Discovery"
15:50	16:10	Donatella de Pascale: Stazione Zoologica Anton Dohrn, Italy - "EMBRC-ESFRI role in the development of cutting-edge research services, a focus on Marine Bioprospecting"
16:10	16:30	Roberto Berlinck: Universidade de São Paulo, Brazil - "Are there biodiscovery programs in Latin America? The importance of establishing international collaborative initiatives"
16:30	16:50	Jean-Luc Wolfender: University of Geneva – "Integration of massive metabolite profiling data of natural extracts in bioactivity screening campaigns for bioactive hits prediction and efficient prioritization"
16:50	17:00	Q&A and Closing remarks

POSTERS LIST

Poster Session 1: PO1-PO60 (ST1, ST2, ST3)

ST1 BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY

P1	Albiani	Federica	DEVELOPMENT AND IMPROVMENT OF A FRACTIONATION PLATFORM BASED ON ORTHOGONAL SPE METHODS FOR IDENTIFICATION OF IMMUNOGENIC PRODUCTS
P2	Alehaideb	Zeyad	EVIDENCE OF TIME-DEPENDENT INHIBITION OF RAT LIVER MICROSOMAL CYTOCHROME P-450 2C11 ISOENZYME ACTIVITY BY IMPERATORIN
P3	Assis	Fabio N.	STABILIZATION OF THE BIOSYNTHETIC PRECURSOR OF BETALAINS
P4	Aydin	Tuba	APOPTOTIC AND CYTOTOXIC EFFECTS OF HERNIARIN ISOLATED FROM TARRAGON ON SEVERAL CANCER CELL LINES
P5	Barouti	Angeliki	EPIPHYTES OF LAMINARIA: A PROMISING SOURCE OF ANTIMICROBIAL AND CYTOTOXIC COMPOUNDS
P6	Boccia	Eleonora	A NOVEL QM/NMR "FOCUSED" DATABASE APPROACH FOR THE STRUCTURAL ELUCIDATION AND STEREO-CHEMICAL DETERMINATION OF NATURAL AND SYNTHETIC COMPOUNDS
P7	Calcaterra	Andrea	NATURAL CANNABICHROMENE SHOWS DISTINCT SCALEMICITY GRADES AND ENANTIOMERIC DOMINANCE IN <i>CANNABIS SATIVA</i> STRAINS
P8	Capuano	Alessandra	PROTEOMIC EVALUATION OF THE INTERACTOME OF A NATURAL POLYKETIDE FROM A MARINE SPONGE
P9	Chumroonsiri	Kanchananut	PROTECTIVE EFFECTS OF <i>KAEMPFERIA PARVIFLORA</i> ON ADVANCED GLYCATION END PRODUCTS- INDUCED OXIDATIVE STRESS AND B-CELL DYSFUNCTION IN PANCREATIC RIN-M5F CELLS
P10	Colarusso	Ester	IMPLEMENTATION OF THE 3D-BRD9 PHARMACOPHORE MODEL: FROM SYNTHETIC COMPOUNDS TO QUINAZOLINE ALKALOIDS AS NEW POTENTIAL BRD9 BINDERS
P11	Correa Dos Santos	Carlos Henrique	PRENYLATED ACYLPHLOROGLUCINOL ALCOHOLS AND PEROXIDES FROM <i>HYPERICUM CORIS L.</i>
P12	De Martino	Laura	CHEMICAL PROFILE AND BIOACTIVITIES OF TWO SPECIES OF <i>MENTHA</i> GENUS
P13	De Musis	Cristiana	ADVANCED IN VITRO SYSTEMS FOR HIGH THROUGHPUT SCREENING OF COMPOUNDS WITH THERAPEUTIC APPLICATIONS

P14	De Vita	Simona	ANTIOXIDANT PROPERTIES OF SECONDARY METABOLITES FROM <i>G. MANGOSTANA</i> : ISOLATION, MOLECULAR DOCKING, AND BIOLOGICAL EVALUATION
P15	Feng	Zheling	BIOACTIVITY-BASED MOLECULAR NETWORKING-GUIDED IDENTIFICATION OF GUTTIFERONE J FROM <i>GARCINIA CAMBOGIA</i> AS AN ANTI-OBESITY CANDIDATE
P16	Festa	Carmen	DISCOVERY OF DEGLUCORUSCIN AS A NEW ARYL HYDROCARBON RECEPTOR AGONIST
P17	Franco	Andrés	COLOMBIAN FRUIT EXTRACTS REDUCE INDUCED OXIDATIVE STRESS IN RAW 264.7 MACROPHAGES
P18	Fujii	Reiko	COMPOUNDS FROM GREEN COFFEE BEANS REGULATE POST-TRANSLATIONAL HISTONE MODIFICATIONS
P19	Gaeta	Simone	INVESTIGATING THE EPIMERISATION OF 5-OH IN TIGILANOL TIGLATE (EBC-46): A CASE STUDY OF OXIDATIVE-INDUCED REARRANGEMENTS
P20	Gaeta	Simone	EPOXY-TIGLIANE INDUCED DISRUPTION OF ESTABLISHED BIOFILM MATRICES FACILITATES NEUTROPHIL DIFFUSION INTO <i>ESCHERICHIA COLI</i> AND METHICILLIN-RESISTANT <i>STAPHYLOCOCCUS AUREUS</i> BIOFILMS
P21	Gelani	Chona	ALPHA-GLUCOSIDASE AND 15-LOX INHIBITION ACTIVITIES OF SOME FRUIT AND VEGETABLE PEELS
P22	Go	Boram	BOEHMERIA NIVEA SUPPRESSES TARC AND MDC IN TNF- α /IFN- γ -INDUCED HACAT CELLS
P23	Gubitosa	Federica	EFFECTS OF CALLUS FROM THE PULP OF <i>MALUS DOMESTICA</i> 'MELA ANNURCA CAMPANA' ON ANTIOXIDANT AND ANTI-INFLAMMATORY CELL MODELS
P24	Hagihara	Masahiro	ISOLATION AND STRUCTURE DETERMINATION OF ANTI-TRYPANOSOMAL LIPOPEPTIDE; UKABAMIDE
P25	Hilmayanti	Erina	IN VITRO ANTI-INFLAMMATORY STUDY OF LIMONOIDS ISOLATED FROM CHISOCHETON PLANTS
P26	Jabal	Khadijah	GC-MS ANALYSIS OF THE TRITERPENOID CONSTITUENTS IN LUSITANIAN HEATHS
P27	Jurčeka	Ondřej	SYNTHESIS OF BETULIN DERIVATIVES MODIFIED AT THE POSITION C-30 USING CYCLOADDITION REACTIONS
P28	Kalampokis	Evangelos	RECOVERY AND IDENTIFICATION OF HUMAN URINE METABOLITES
P29	Kamihira	Rie	PREPARATION OF CHEMICAL PROBES FOR IDENTIFYING THE TARGETS OF THE MARINE NATURAL PRODUCTS KAPAKAHINES A AND F
P30	Kamijima	Tomone	SEARCH FOR COMPOUNDS IN JAPANESE PEPPER THAT HAVE ACTIVITY IN REGULATING NEURAL STEM CELL DIFFERENTIATION

P31	Kawamura	Fumio	ENZYMATIC TRANSFORMATION PRODUCTS OF MAJOR NEOLIGNANS IN <i>MAGNOLIA OBOVATA</i> BARK
P32	Kim	Byung Joo	NETWORK PHARMACOLOGICAL ANALYSIS AND EXPERIMENTAL VALIDATION OF THE EFFECT OF <i>SMILACIS GLABRAE</i> RHIZOMA ON GASTROINTESTINAL MOTILITY DISORDER
P33	Ham	Young-Min	THE EFFECTS OF <i>CLERODENDRUM TRICHOTOMUM</i> THUNB. EXTRACT AND ITS CONSTITUENTS ON ADIPOGENESIS IN 3T3-L1 PREADIPOCYTES
P34	Kurzbaum	Eyal	ENHANCING THE BIOACTIVE COMPONENTS IN <i>PSILOCYBE CUBENSIS</i> MYCELIUM: THE INFLUENCE OF SUBMERGED FERMENTATION CONDITIONS
P35	Kurzbaum	Eyal	THE POTENTIAL OF LAKE KINNERET, ISRAEL, ALGAE TO SERVE AS A NEW SOURCE FOR MICROBIAL PESTICIDE
P36	Kuś	Piotr	ANTICANDIDAL PROPERTIES AND CHEMICAL COMPOSITION OF POLISH PROPOLIS
P37	Kwak	Jong Hwan	PHYTOCHEMICAL CONSTITUENTS FROM THE AERIAL PARTS OF <i>FORSYTHIA VELUTINA</i> NAKAI AND THEIR ANTI-DIABETIC ACTIVITY IN ZEBRAFISH MODEL
P38	Lauro	Gianluigi	COUPLING THE POWER OF INVERSE VIRTUAL SCREENING AND 3D STRUCTURE-BASED PHARMACOPHORE SCREENING FOR ACCELERATING THE TARGET IDENTIFICATION AND REPOSITIONING OF NATURAL PRODUCTS
P39	Lee	Dae Young	CHEMICAL CHARACTERIZATION AND POTENTIAL MECHANISM OF THE ANTI-ASTHMATIC ACTIVITY OF BLACK GINSENG EXTRACT
P40	Lee	Young-Seob	BLACK GINSENG EXTRACT SUPPRESSES BENIGN PROSTATIC HYPERPLASIA IN VITRO BY INDUCING S-PHASE CELL CYCLE ARREST AND REGULATING THE INFLAMMATORY RESPONSE
P41	Lopes	Adriana A.	UNNATURAL ALKALOID GENERATED BY PRECURSOR-DIRECTED BIOSYNTHESIS AND DISCOVERED BY LIGAND FISHING SCREENING (ACHEE)
P42	Marakos	Panagiotis	SYNTHESIS OF NEW SUBSTITUTED 6-AZAINDOLES WITH CYTOTOXIC ACTIVITY
P43	Mekemzeu Fankem	Patience	FORMULATION OF A PHYTODRUG AGAINST DERMATOPHYTOSIS BASED ON ESSENTIAL OILS FROM FOUR MYRTACEAE OF CAMEROON
P44	Mohd Yousof	Nor Syaidatul Akmal	COMPUTATIONAL SCREENING OF ALKALOIDS AND QUASSINOIDS ANNOTATED FROM <i>BRUCEA JAVANICA</i> (L.) MERR. AS POTENTIAL INHIBITORS FOR DENGUE VIRUS

ST2 ROLE OF NATURAL PRODUCTS IN COSMETIC FORMULATIONS

P45	Gigliobianco	Maria Rosa	CHARACTERIZATION OF <i>H. CRENULATA</i> EXTRACTS AND QUANTIFICATION OF MARMESIN
P46	Gigliobianco	Maria Rosa	OPTIMIZATION OF EXTRACTION METHODS, PHYSICO-CHEMICAL CHARACTERIZATION AND PRE-FORMULATION STUDIES OF SERICIN OF DIFFERENT MOLECULAR WEIGHTS FOR COSMETIC AND DERMATOLOGIC FORMULATIONS
P47	Pájaro Bolívar	Indira Beatriz	THE INFLUENCE OF MODIFICATION BY ACETYLATION OF PLANTAIN STARCH (<i>MUSA PARADISIACA</i>) IN ITS PHARMACEUTICAL PROPERTIES
P48	Park	Young-Tae	ANTI-MELANOGENIC EFFECT OF <i>CANNABIS SATIVA</i> STEM FERMENTED WITH BENEFICIAL BACTERIA
P49	Radulescu	Cristiana	A NEW CONCEPT OF CREAM FOR DRY SKIN FORMULATED WITH RED GRAPE-BASED EXTRACTS
P50	Shin	Seunghan	MAIZE-DERIVED ZEIN/ACRYLIC HYBRID EMULSION FOR SUPERIOR SKIN ADHESION AND WATER RESISTANCE IN COSMETIC ADHESIVES
P51	Signori	Giulia	GRAPHENE AS FUNCTIONAL AND TEXTURIZING AGENT IN COSMETICS
P52	Skaltsa	Helen	A PRELIMINARY PHYTOCHEMICAL AND FORMULATION STUDY OF <i>STACHYS PAROLINII</i>

ST3 FOOD AND FOOD SUPPLEMENTS

P53	Abraham	Ellie	CHEMOMETRIC PREDICTION MODELING AS A TOOL FOR HERBAL PRODUCT IDENTITY INVESTIGATIONS
P54	Celentano	Carmela	NATURAL PRODUCTS FROM MARINE INVASIVE SPECIES AS FUNCTIONAL INGREDIENTS IN AQUACULTURE FEED
P55	Delabays	Nicolas	PHYTOCHEMICAL VARIATION BETWEEN DIFFERENT ACCESSIONS OF <i>ARTEMISIA ABSINTHIUM</i> L.
P56	Napoli	Edoardo	PHENOLIC PROFILES AND BIOLOGICAL ACTIVITIES OF HYDRODISTILLATION WASTEWATERS
P57	Recio	Isidra	ULVA SEAWEEDS AS A SUSTAINABLE ALTERNATIVE FOR NON-ANIMAL PROTEINS
P58	Recio	Isidra	POLYSACCHARIDE-PROTEIN GEL-LIKE STRUCTURES TO MODULATE FOOD PROTEINS DIGESTION
P59	Recio	Isidra	CCK AND GLP-1 SECRETION IN ENTEROENDOCRINE CELLS IN RESPONSE TO MILK PEPTIDES IDENTIFIED IN HUMAN JEJUNUM
P60	Samukha	Vadym	METABOLOMIC PROFILE OF COMMERCIAL <i>PHASEOLUS VULGARIS</i> L. VARIETIES BY NMR SPECTROSCOPY AND MASS SPECTROMETRY

Poster Session 2: PO61-PO120 (ST1, ST4, ST5, ST6)

ST1 BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY

P61	Nakamura	Fumiaki	TWO UNREPORTED ONNAMIDE ANALOGS FROM THE MARINE SPONGE <i>THEONELLA CONICA</i>
P62	Nakura	Asaya	SYNTHETIC STUDY OF HEDOAMIDE, A NEW LINEAR PEPTIDE FROM MARINE CYANOBACTERIA
P63	Nocera	Raffaella	IDENTIFICATION AND CHARACTERIZATION OF MOLECULAR TARGET OF LABDANE DITERPEN MANOOL
P64	Nolli	Maria Grazia	INTERACTIONS BETWEEN OLIGONUCLEOTIDE SECONDARY STRUCTURES AND PORPHYRINS
P65	Nuzzo	Genoveffa	THE ANTICANCER POTENTIAL OF SPHINGOID LIPIDS ISOLATED FROM THE MARINE SPONGE <i>HALICLONA VANSOESTI</i>
P66	Okumura	Taichi	JA-ILE-LACTONE ENHANCED ALKALOID BIOSYNTHESIS IN TOMATO
P67	Orság	Šimon	SYNTHESIS AND BIOLOGICAL EVALUATION OF C-30 MODIFIED LUPANE TRITERPENOIDS
P68	Pájaro	Indira	ACTIVE FRACTIONS ISOLATED OF PHYSALIS GENUS WITH PROTECTOR EFFECT AGAINST OXIDATIVE STRESS INDUCED IN MACROPHAGES
P69	Park	Jiwon	THE EFFICACY AND SAFETY OF SIPIEONDAEBO-TANG FOR CANCER PATIENTS: A SYSTEMATIC REVIEW AND META-ANALYSIS
P70	Pérez-Bonilla	Mercedes	DISCOVERY OF NEW ANTIPARASITIC DRUG CANDIDATES FROM MICROBIAL NATURAL PRODUCTS
P71	Perez-Sabino	Juan Francisco	ANALYSIS OF VOLATILES OF <i>STEVIA OVATA</i> , <i>STEVIA SUAVEOLENS</i> AND <i>STEVIA TRIFLORA</i> BY HS-SPME-GC-MS
P72	Pidaný	Filip	HIGHLY SELECTIVE BUTYRYLCHOLINESTERASE INHIBITORS STRUCTURALLY INSPIRED BY AMARYLLIDACEAE ALKALOIDS - DESIGN, SYNTHESIS, AND BIOLOGICAL EVALUATION
P73	Pouli	Nicole	NEW PYRROLO[2,3-c]PYRIDINES: DESIGN, SYNTHESIS AND ANTIPROLIFERATIVE ACTIVITY EVALUATION
P74	Radzikowska	Barbara	THE BIOSYNTHESIS OF DAPHNIPHYLLUM ALKALOIDS
P75	Reddell	Paul	MODE OF ACTION AND STRUCTURE-ACTIVITY RELATIONSHIPS OF THE ONCOLOGY DRUG TIGILANOL TIGLATE AND RELATED ANALOGUES.
P76	Saito	Rina	(3R,7S)-12-HYDROXY-JASMONOYL-L-ISOLEUCINE IS THE GENUINE BIOACTIVE STEREOISOMER OF A JASMONATE METABOLITE IN <i>ARABIDOPSIS THALIANA</i>

P77	Sakiyama	Yoshinobu	TOTAL SYNTHESIS OF BISELYNGBYASIDE ANALOG
P78	Savikin	Katarina	ENDEMIC PLANT <i>RUMEX BALCANICUS</i> : PROMISING SOURCE OF POLYPHENOLS WITH ANTIOXIDANT, HYPOGLYCEMIC AND DEPIGMENTATION ACTIVITIES
P79	Scala	Francesca	ENVIROMENTAL-FRIENDLY PROTOCOLS APPLIED TO THE DEVELOPMENT OF DUAL INHIBITORS AS NOVEL ANTI-CANCER AGENTS
P80	Sepe	Valentina	TARGETING LIF/LIFR AXIS FOR THE TREATMENT OF PANCREATIC ADENOCARCINOMA
P81	Skaltsa	Helen	NMR-GUIDED STUDY OF <i>LYSIMACHIA ATROPURPUREA</i>
P82	Skaltsa	Helen	PHYTOCHEMICAL ANALYSIS OF <i>SIDERITIS RAESERI</i> SUBSP. RAESERI INFUSIONS
P83	Skaltsounis	Alexios-Leandros	OPTIMAL CONDITIONS FOR ANTHOCYANINS DETERMINATION IN NATURAL PRODUCTS
P84	Smati	Dalila	EXTRACTION AND EVALUATION OF THE ANTIMICROBIAL ACTIVITY OF THE ESSENTIAL OILS OF TWO ALGERIAN SPECIES: <i>ROSMARINUS OFFICINALIS</i> L. AND <i>THYMUS VULGARIS</i> L.
P85	Stathopoulos	Panagiotis	A HOLISTIC IN VITRO APPROACH OF ANTIOXIDANT AND GENO-PROTECTIVE ACTIVITY OF AN EXTRACT ORIGINATED FROM DIRECT HYDROLYSIS OF OLIVE LEAVES.
P86	Taguchi	Raimu	ISOLATION, STRUCTURE DETERMINATION, BIOLOGICAL ACTIVITY AND SYNTHETIC STUDY ON TERUKUFAZOLINES FROM AN UNDESCRIBED MARINE CYANOBACTERIUM
P87	Takahashi	Jacqueline	SELECTIVE FUNCTIONALIZATION OF METHYLENE CARBONS BY <i>ASPERGILLUS NIGER</i> FURNISHES STEREOSELECTIVE HYDROXYLATED DERIVATIVES RELATED TO ANTI-TUMOR METABOLITES
P88	Tang	Chunping	MONOMERIC AND DIMERIC GERMACRANOLIDES FROM <i>ARTEMISIA ATROVIRENS</i>
P89	Tshiwawa	Tendamudzimu	COMPUTATIONAL STUDY OF THE INHIBITION OF PCSK9 FOR THE REDUCTION OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE.
P90	Tsunematsu	Yuta	ENGINEERING NATURAL PRODUCTS BY CHEM-BIO HYBRID SYNTHESIS FOR DRUG DISCOVERY OF DYSENTERY AMOEBIASIS
P91	Umeda	Kairi	ISOLATION AND STRUCTURE DETERMINATION OF AKUNOLIDES, NEW MACROLIDE GLYCOSIDES FROM A MARINE CYANOBACTERIUM
P92	Vieira	Paulo Cezar	ACCESS TO CHEMICAL DIVERSITY AND ANTIFUNGAL COMPOUNDS USING CO-CULTIVATION APPROACH

P93	Vitiello	Maria	COMPARATIVE CHEMICAL ANALYSIS OF PEEL, PULP AND CALLUS EXTRACTS OF TWO APPLE (<i>MALUS DOMESTICA</i>) VARIETIES
P94	Wu	Chin-Chung	THE NON-ALKALOID EXTRACTS OF <i>EPHEDRA SINICA</i> INHIBIT MUC5AC EXPRESSION AND CELL MIGRATION IN LUNG CANCER A549 CELLS
P95	Yao	Sheng	NOVEL NAPHTHYLSOQUINOLINE ALKALOIDS FROM <i>ANCISTROCLADUS TECTORIUS</i> AND THEIR POTENTIAL INHIBITION ON NAV1.7 SODIUM CHANNEL
P96	Youssef	Diaa	MACROLIDES WITH POTENT ACTIN-MICROFILAMENT DISRUPTION ACTIVITIES FROM RED SEA SPONGES
P97	Zivkovic	Jelena	ANTIOXIDANT CAPACITY OF WILD THYME EXTRACT-LOADED LIPOSOMES

ST4 INNOVATIVE AND ECO-FRIENDLY MATERIALS

P98	Cho	Sangho	NANOCELLULOSE-BASED GAS BARRIER FILMS FOR SUSTAINABLE FOOD PACKAGING
P99	Muccilli	Vera	OPTIMIZATION OF MICROWAVE-ASSISTED EXTRACTION FROM WALNUT HARD SHELLS: EVALUATION OF ANTIOXIDANT ACTIVITY AND PREPARATION OF ECOVIO® FILMS LOADED WITH NANOHYBRIDS CONSISTING OF HALLOYSITE NANOTUBES
P100	Paranagama	Priyani	PILOT-SCALE APPLICATION OF THE PHANEROCHAETE CHRYSOSPORIUM SPORE SUSPENSION FOR THE BIODETERIORATION OF LOW DENSITY POLYETHYLENE
P101	Park	Hyunwoong	MEMBRANE-PROCESSED DEWATERING FOR CONCENTRATION OF LIQUID FOODS
P102	Um	In Chul	PREPARATION, STRUCTURAL CHARACTERISTICS AND PROPERTIES OF SERICIN COATED WOOL NONWOVEN FABRIC
P103	Wang	Liyang	OPTIMISATION OF ULTRASONIC-ASSISTED EXTRACTION OF CANTHAXANTHIN FROM <i>CHROMOCHLORIS ZOFINGIENSIS</i> USING EUTECTIC SOLVENTS
P104	Zivkovic	Jelena	NATURAL DEEP EUTECTIC SOLVENTS EXTRACTION OF ANTHOCYANINS FROM BLACK RASPBERRY (<i>RUBUS OCCIDENTALIS</i> L.) POMACE

ST5 BIODIVERSITY AND CHEMICAL ECOLOGY

P105	Finamore	Claudia	<i>CONOCEPHALUM CONICUM</i> L. LIVERWORT: AN INTEGRATED BIOLOGIC AND METABOLOMIC STUDY
P106	Mitakou	Sofia	LC-HRMS METABOLOMICS FOR THE DETERMINATION OF BIOMARKERS FROM EX SITU GENOTYPES OF <i>HELICHRYSUM AMORGINUM</i>

P107	Ripoll	Daniel	PHENYLPROPANOIDS FROM ESSENTIAL OILS OF PIPER: A NATURAL ALTERNATIVE FOR THE CONTROL OF <i>SITOPHILUS ZEAMAI</i> S
P108	Salas Díaz	Ruben Darío	EMERGING PHARMACEUTICAL POLLUTANTS IN SURFACE AND WASTEWATER OF THE DEPARTMENT OF ATLÁNTICO-COLOMBIA

ST6 NEW METHODOLOGIES IN NATURAL PRODUCTS RESEARCH

P109	Avelino	Matheus Avelino Nunes	STABILIZATION OF BEETROOT PIGMENTS WITHIN SILICA GELS
P110	Bazel	Yaroslav	DETERMINATION OF SULFITE IONS IN FOOD SAMPLES USING HEADSPACE LIQUID-PHASE MICROEXTRACTION WITH AN OPTICAL PROBE (HS-LPME-OP)
P111	Chanbasha	Basheer	UREA SYNTHESIS USING RENEWABLE RESOURCES: CARBON DIOXIDE, AIR AND WATER
P112	Machida	Koshi	CHANGES OVER TIME OF THE METABOLITE PROFILE IN THE DECAY PROCESS OF A MARINE SPONGE
P113	Martins	Ihasmyn Faria	REVISITING THE EXTRACTION OF BETANIN AND OTHER BETACYANINS FROM RED BEETROOTS
P114	Mazzocanti	Giulia	UNRAVELING THE ENIGMATIC WORLD OF NATURAL SCALEMATES: CHALLENGES AND INSIGHTS THROUGH CHIRAL SEPARATIONS AND THE INVERTED CHIRALITY COLUMNS APPROACH
P115	Misiak	Paweł	UNLOCKING NATURE'S POTENTIAL: CHOLESTEROL-POLYMER FUSION IN DRUG DELIVERY
P116	Schulz	Stefan	MACE - MASS SPECTRA FOR CHEMICAL ECOLOGY
P117	Serbin	Rastislav	QUICK AND SIMPLE TOOL FOR TESTING THE QUALITY OF FRUIT DISTILLATES
P118	Zhu	Dafu	BUILDING BLOCK EXTRACTOR: AN MS/MS DATA MINING TOOL FOR TARGETED DISCOVERY OF NATURAL PRODUCTS WITH SPECIFIED FEATURES

ST1 BIOACTIVE NATURAL PRODUCTS AND DRUG DISCOVERY

P119	Soriano	Gabriele	TOTAL SYNTHESIS OF (4Z)-LACHNOPHYLLUM LACTONE, A SPECIALIZED BIOACTIVE ACETYLENIC FURANONE PRODUCED BY <i>CONYZA BONARIENSIS</i>
P120	Kumari	Sonali	HR-LCMS AND EVALUATION OF ANTI-DIABETIC ACTIVITY OF <i>HEMIDESMUS INDICUS</i> (ANANTMOOL): KINETIC STUDY, AND MOLECULAR MODELLING APPROACH

SECRETARIAT



*Tel.: +39 0818770604
Fax: +39 0818770258
E-mail: info@yesmeet.it
Via San Nicola, 4
80067 Sorrento (NA) - Italia*