

- Tentative Program -
4th International Conference on Natural Products & Human Health
University of Aveiro, Portugal
18-20 set 2024

Edifício Central e da Reitoria da Universidade de Aveiro
 Campus Universitário de Santiago
 Location: <https://maps.app.goo.gl/4aJi3hUPwgExAymV6>

18 September

9:30	Registration
10:00 - 11:30	Short courses – University of Aveiro, Portugal https://icnphh2024.events.chemistry.pt/short-courses
12:00 -14:00	Lunch – Cantina Santiago
14:00 - 14:30	Opening Ceremony
	Session I - Marine Natural Products and recent advances in medicinal product research
14:30 - 15:10	Chair: Ana Paula Girol , Graduate and Research Pro-Rector of Padre Albino University Center UNIFIPA, SP, Brazil Anake Kijjoa <i>Bioactive Compounds from Soil and Marine-Derived Fungi</i>
	Chairs: Chandramathi Samudi , Department of Medical Microbiology, Faculty of Medicine, University Malaya & Marco Alves , Department of Medical Sciences, University of Aveiro, Portugal
15:10 - 15:25	Sónia Santos <i>Valorization of macroalgae bioactive compounds: From sustainable recovery to valuable applications</i>
15:25 - 15:40	Anand Gaurav, Mayasah Al-Nema, Ming Xing, Ji Nigui, Saad Tayyab <i>Unveiling Nature's Mysteries: Advanced Computational Techniques for Natural Product Discovery and Mechanism Elucidation</i>
15:40 - 15:55	Sunil Kayesth*, Jyoti Kayesth <i>Antimicrobial Resistance and Information Education and Communication in Higher Education System</i>
15:55 - 16:30	Syed Ghulam Musharraf*, Arslan Ali <i>Dereplication of Natural Products in Medicinal Plants Using Mass Spectrometry Integrated Approach: A Metabolomics Perspective</i> Ashu Chaudhary*, Kamal Kumar Gupta <i>Spodoptera litura susceptibility to green synthesised Gm-AgNPs and effect on growth and cholesterol level validated through in-silico docking</i> Yasi Deng^a, Hao Zhenga, Ling Lianga, Bin Lia, Mengyun Wanga, Caiyun Pengb, Huanghe Yua, Wei Wang^a <i>Study on targeted delivery of XTS by multifunctional nanosystem for treatment of rheumatoid arthritis</i>

16:30 - 16:50	Coffee break
	Session II - Recent advances in medicinal product research: bioinformatics, artificial intelligence, bioengineering, nanotechnology and OMICs
	Chair: Sílvia M. Rocha LAQV-REQUIMTE, Department of Chemistry, University of Aveiro, Portugal & Anand Gaurav , Department of Pharmaceutical Sciences, School of Health Sciences & Technology, UPES, Dehradun, Uttarakhand, India
16:50 - 17:05	Andreia Moreno <i>Evaluation of antiseptic activity and preliminary stability of liquid soap added of <i>Ocimum basilicum</i> (L.) extract</i>
17:05 - 17:20	Ana Paula Girol <i>Antitumor potential of <i>Garcinia brasiliensis</i> extractive solutions</i>
17:20 - 18:00	Maria Francisca F. S. A. Lucas, Wilson R. Tavares, Gonçalo P. Rosa*, Mariana M. Viveiros, Diana C. G. A. Pinto, Ana M. L. Seca, M. Carmo Barreto <i>From the Azores to the Lab: Bioactive Natural Products Targeting Health Issues</i> Ronnachai Poowanna*, Somsak Nualkaew, Pawitra Pulbutr, Anake Kijjoa <i>Purgative Activity and Amount of Irritant Compounds of <i>Croton tiglium</i> L. Seeds Before and After Treatment by Thai Traditional Detoxification Processes</i> Porumb Diana Patricia <i>Therapeutic Effects of <i>Rosa canina</i> Seed Oil on Human Skin: A Comprehensive Analysis Using VISIA and OBSERV 520x System</i> Amina Chouh, Tahar Nouadri, Marcelo D. Catarino*, Artur Silva, Susana M Cardoso <i>Exploring the Bioactive Potential of Phlorotannins from <i>Sargassum vulgare</i>: Antioxidant, Anti-Inflammatory, and Enzyme Inhibitory Properties</i>

19 September

	Session III – Traditional Ethnopharmacology to current Drug Discovery
9:00 – 9:40	Chair: Anake Kijjoa , Professor Emeritus Biomedical Sciences Institute Abel Salazar (ICBAS) of the University of Porto, Portugal Wei Wang <i>Natural Products Research Based on Hunan Chinese Medicine and Ethnomedicine</i>
	Chair: Ajoy K. Verma , National Reference Laboratory & Department of Microbiology, Centre of Excellence (WHO), National Institute of Tuberculosis & Respiratory Diseases, New Delhi, India
9:40 - 9:55	Liang Cao^a, Yang Chena, Qin Hea, Yangmiao Jiaoa, Jia Wub, Bin Lib, Zaiqi Zhanga, Wei Wangb <i>Natural products and herbal medicine from Dong ethnic medicine</i>
9:55 - 10:10	Shaowu Cheng <i>Effects of natural products on Alzheimer's disease</i>
10:10 - 10:25	Xiong Cai <i>Sinomenine hydrochloride nanocomplexes for synergistic treatment of rheumatoid arthritis by inducing macrophage repolarization and arresting the abnormal</i>

	<i>proliferation of fibroblast-like synoviocytes</i>
10:30 – 10:50	Coffee break
	Special Session - Women in Science
10:45 – 12:15	Chairs: Mara Freire , CICECO, Department of Chemistry, University of Aveiro, & Veeranoot Nissapatorn , School of Allied Health Sciences, World Union for Herbal Drug Discovery (WUHeDD), Walailak University, Thailand Hazel A. Tabo , PHILIPPINES Geethanjali Gnanaraja , MALAYSIA Ariane Zommer , BRAZIL Sónia Ventura , PORTUGAL Roma Pandey , INDIA Neera Pradhan, NEPAL Ragini Bodade , INDIA Shuba Bhassu , MALAYSIA
12:15 – 14:00	Lunch Break – Cantina Santiago
	Session IV – Medicinal Foods and Medicinal Plants
14:00 - 14:30	Chair: Kamal K. Gupta , Department of Zoology, Deshbandu College Delhi University, New Delhi, India & Vera Silva , Department of Chemistry, University of Aveiro, Portugal Beatriz Oliveira <i>Supplements based on Natural Products</i>
	Chairs: Pedro F. Oliveira , University Aveiro, Portugal & Chandramathi, S. Department of Medical Microbiology, Faculty of Medicine, University Malaya, Kuala Lumpur, Malaysia
14:30 - 14:45	Janar Jenis <i>Organization of production and commercialization of immunomodulating and antiviral supplements from natural resources of Kazakhstan</i>
14:45 - 15:00	Chandramathi, S.^a, Kathirvalu, G.^a, Atiya, N.^a, Subha B.^b, Rukumani Devi, V.^b, Sulaiman, M.^c, Christophe, W.^d, Mani, R.R.^e, Sekaran S.D.^f, Veeranoot N^g, Tjoa, E.^a, Siva, T^a. <i>Antibacterial and antibiotic resistance breaking capabilities of ellagic acid isolated from Cleistanthus bracteosus against multidrug-resistant A. baumannii.</i>
15:00 - 15:15	Diana C. G. A. Pinto <i>Underexplored plants valorisation: promising application in medicinal or nutritional formulations</i>
15:15 - 16:00	Zehua Rao <i>Effects of Herbal-cake-separated Moxibustion on the Expressions of Beclin1 and LC3 Protein in Rabbits with Atherosclerotic Vulnerable Plaques,</i> Fernanda Machado, Manuel A. Coimbra, Filipe Coreta-Gomes* <i>Exploring cardioprotective potential of coffee and its extracts</i> Paloma Lopes*, Isabel M.P.L.V.O. Ferreira, Manuel A. Coimbra, Filipe Coreta-Gomes, Silvia Petronilho, Cláudia Passos <i>Studying Raspberry Seed Oil Bioactive Potential: A Promising Alternative to</i>

	<i>Common</i>	<i>Dietary</i>	<i>Oils</i>
	<p>S.A. Valente, Lopes GR, Ferreira, I, Miguel F. Galrinho, M. Almeida, P. Ferreira, Cruz MT, Manuel A. Coimbra, Passos CP* <i>Polysaccharides-based carriers for Pulmonary insulin delivery: the potential of coffee as an unconventional source</i></p>		
16:00-16:20	Coffee break		
16:20 - 17:00	Posters Session		
17:00	Departure to Boat Trip		
18:00 – 19:00	Boat Trip		
19:00	Conference dinner – Hotel Meliá Ria		

20 September

9:00 – 9:30	<p>Chair: Sunil Kayesh, Vice Principal Deshbandu College Delhi University, New Delhi, India</p> <p>Tribute session to <i>Mohammed Rahmatullah</i></p>
	Session V – Bioprospecting & by-products of natural resources
9:30 - 10:10	<p>Chair: Andreia Moreno, Academic Pro-Rector, Padre Albino University Center UNIFIPA, SP, Brazil</p> <p>Armando Silvestre <i>Sustainable processes and increase of bioactivity of natural products</i></p>
	<p>Chairs: Ariane Zamoner Pacheco de Souza, Department of Biochemistry, Universidade Federal de Santa Catarina, LaBioSignal - Laboratory of Biochemistry and Cell Signal Florianopolis, SC, Brazil & Miguel Pais-Vieira, Department of Medical Sciences, University of Aveiro, Portugal</p>
10:10 -10:30	<p>Sílvia M. Rocha <i>Nutritious, sustainable and convenient: are elderberries a "smart product" that has it all?</i></p>
10:30 – 10:50	Coffee break
10:50 - 11:05	<p>Santana R.P.S, Brandão H.N and Alves C.Q. <i>Phytochemical Study of Geopropolis from <i>Melipona scutellaris</i> Collected in Brazil</i></p>
11:05 – 12:00	<p>Isabella W. Cordova, Ana M. Ferreira, Ana R. F. Carreira*, Nicolas Papaiconomou, Olga Ferreira, Simão P. Pinho, João A. P. Coutinho <i>Biobased Solvent Efficiency in Artemisinin Extraction via Accelerated Solvent Extraction</i></p> <p>Emanuel V. Capela*, Pedro Moleiro, Güliz Akyüz, Vanessa Vieira, Luís C. Branco, Ana P.M. Tavares, Mara G. Freire <i>Extraction of proteins from <i>Tenebrio molitor</i> flour using sustainable approaches</i></p> <p>Rita Silva-Reis*, Joana L. C. Sousa, Artur M. S. Silva, Paula A. Oliveira, Susana M. Cardoso <i>Effects of Solvent Extraction on the Chemical Composition of <i>Cannabis sativa</i></i></p>

	<p><i>Inflorescence: A GC/MS Analysis and Antioxidant Activity Comparison</i></p> <p>Cariny Polesca*, Helena Passos, Bruno Neves, João Coutinho, Amir Al Ghatta, Jason Hallett, Mara G Freire <i>Sustainable and effective keratin recovery for high-performance biomaterials</i></p> <p>Júlio C. M. Souza*, Galarraga-Vinueza, Bruno Henriques, Wim Teughels <i>Adding cranberry extracts to ceramic biomaterials for enhanced peri-implant antibiofilm effects</i></p>
12:15 – 14:00	Lunch Break – Cantina Santiago
	Session VI – Macromolecules and Health
	Chair: Cristina Salibay , De La Salle University-Dasmariñas, Cavite, Philippines
14:00 – 14:40	<p>Manuel Coimbra <i>Polysaccharides and Health</i></p>
	Manuel Coimbra , QOPNA & LAQV/REQUIMTE, Department of Chemistry, University of Aveiro, Portugal & Subha Bassu , Institute of Biological Sciences, Faculty of Science, University of Malaya, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia
14:40 - 14:55	<p>Fabício Mendes Miranda, Rosane Moura Aguiar, Edeltrudes de Oliveira Lima, José Lucas F. M. Galvão, Hugo Neves Brandão and Clayton Queiroz Alves Chemical Characterization and Antimicrobial Activity Evaluation of Essential Oils from Leaves and Fruits of <i>Mimosa verrucosa</i> Benth.</p>
14:55 - 15:10	<p>Alexandre M.A. Fonseca*, Armando J.D. Silvestre, Sílvia M. Rocha <i>Integral valorization of purple passion fruit (<i>Passiflora edulis f. edulis</i>): from physicochemical characteristics variability to fruit powders nutritional value</i></p>
15:10 - 15:25	<p>Kamal Kumar Gupta*, Vijay Kumar Shah <i>A sustainable and environment-friendly approach for the management of Dengue fever mosquito, <i>Aedes aegypti</i> using plant extract</i></p>
15:25 - 15:40	<p>Ajoy Verma <i>Plant based strategy to eliminate tuberculosis vis -a – vis its effectiveness</i></p>
15:40 - 16:00	<p>Luís Mendonça de Carvalho <i>Ethnobotany as a Catalyst for Scientific Education: Integrating Traditional Knowledge with Chemistry</i></p>
16:00-16:20	Coffee break
16:20-17:15	Awards & Closing remarks