

# 第五届医药与食品中的植物化学物质国际会议

5-ISPMPF, 2021.10.18-20, 南昌

<https://529324562.wixsite.com/5-ispmpf>

由国际食物营养与安全协会等主办，南昌大学承办的第五届医药与食品中的植物化学物质国际会议(5-ISPMPF)线上会议已经于2021年8月25日-9月1日在线举行，9月4日晚进行了闭幕式和颁奖典礼。5-ISPMPF线上会议有来自全球66个国家和地区的食品科学与天然产物研究领域逾700名专家学者注册参会，其中境外人员超过410人，共收到境外摘要335份，为历次ISPMPF会议之最。在为期8天的会议期间，共安排了240个大会议报告(其中境外210个)+70个博士生论坛报告(其中境外35个)。国际食物营养与安全协会首次为Yoshinori Asakawa教授(80岁，亚洲植物化学会主席)、Li-Shu Wang教授(美国威斯康辛医学院、Food Frontiers和Journal of Functional Foods 副主编)、Maurizio Battino教授(意大利马尔凯理工大学、全球高被引科学家、Food Frontiers 科学编辑、International Journal of Molecular Sciences主编)、Mohamed Ali Farag教授(埃及开罗大学教授、德国洪堡学者、Journal of Advanced Research执行编辑)、Esra Capanoglu教授(土耳其伊斯坦布尔理工大学、全球高被引科学家、ACS Omega副主编)等颁发杰出贡献奖，以表彰他们对本次会议成功举行所做出的贡献。5-ISPMPF已经获得Food Chemistry (IF 7.514)、Food Chemistry-X (5.182)、Oxidative Medicine and Cellular Longevity (IF 6.543)、International Journal of Molecular Sciences (IF 5.923)、Phytochemistry Reviews (IF 5.374)等期刊支持。

5-ISPMPF 国际会议线下会议将于2021年10月18-20日在南昌举行，将邀请国内食品科学与天然产物杰出科学家和青年学者50人做专题报告。

**主办单位** 国际食物营养与安全协会、

**承办单位** 南昌大学

**执行主席**



聂少平 教授

*Food Frontiers* 主编



Jesús Simal Gándara教授

*Food Chemistry* 副主编

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## 大会日程安排

10月18日全天报道

10月19日全天会议+硕士生研究生论坛+欢迎宴会(晚)

10月20日全天会议+颁奖晚会

10月21日离会

## 期刊投稿:

5-ISPMPF已经获得Food Chemistry (IF 7.514)、Food Chemistry-X (5.182)、Oxidative Medicine and Cellular Longevity (IF 6.543)、International Journal of Molecular Sciences (IF 5.923)、Marine Drugs (IF 5.118)、Phytomedicine (IF 5.340)、Food & Function (IF 5.396)、Chemosensors (IF 3.398)等期刊支持,将以正刊形式为本次会议出版专刊,所有稿件均只对参会人员开放,稿件接受后必须注册参会。提供给理事们的投稿信息(仅内部公开)。

**Food Chemistry**专刊编辑:任娇艳、聂少平,选择“5-ISPMPF” as article type,投稿截止日期9月30日

**Food Chemistry:X**专刊编辑:任娇艳、聂少平,选择“5-ISPMPF” as article type,投稿截止日期9月30日

**Oxidative Medicine and Cellular Longevity** 专刊编辑:陈雷 孙崇德

<https://www.hindawi.com/journals/omcl/si/892012/>

**Phytomedicine**专刊编辑:魏兆军,select the article type “VSI: 2-ICNTP”

**Marine Drugs**专刊编辑:赵超

[https://www.mdpi.com/journal/marinedrugs/special\\_issues/5\\_ISPMPF](https://www.mdpi.com/journal/marinedrugs/special_issues/5_ISPMPF)

**Food Chemistry:X**有4个专刊

(1) VSI: Food bioactive compounds.

(2) VSI: Dietary polysaccharides 专刊编辑:游丽君

(3) VSI: Food Protein and peptides

(4) VSI: Fermented foods 专刊编辑:王惠民

**Food & Function** is publishing a special issue, please choose theme collection “the effect of food matrix and processing on the physiological fate of bioactive compounds and metabolites”. (Guest editor, Prof. Jesús Simal-Gándara),

**International Journal of Molecular Sciences** 专刊编辑:徐索文

(1) Special issue "5-ISPMPF Special Issue: Phytochemicals in cardiovascular and metabolic diseases-molecular pharmacology and therapeutic potential".

[https://www.mdpi.com/journal/ijms/special\\_issues/5ISPMPF\\_Phytochemicals](https://www.mdpi.com/journal/ijms/special_issues/5ISPMPF_Phytochemicals)

(2) Special Issue: Promising Bioactive Molecules Obtained from Plant-Food Discards

[https://www.mdpi.com/journal/ijms/special\\_issues/bioactive\\_molecules-plant\\_food](https://www.mdpi.com/journal/ijms/special_issues/bioactive_molecules-plant_food)

(3) Special Issue: Phenolic Compounds Extracted from Plants: Towards the Formulation of New Nutraceuticals

[https://www.mdpi.com/journal/ijms/special\\_issues/phenolic\\_compounds\\_extract](https://www.mdpi.com/journal/ijms/special_issues/phenolic_compounds_extract)

## 会议摘要:

请参照附件2格式准备摘要(1页),请10月1日前提交摘要给马玲君老师(lingjun.ma@cau.edu.cn),并cc陈雷老师(chenlei841114@hotmail.com)和刘祎帆老师(lm\_zkng@163.com)。

## 注册费

本次会议的往返交通费及会议期间的住宿费自理,会议注册费的缴纳标准如下:

全职人员 2500元

学生 1200元

注册费包括会议资料、茶歇、会议期间用餐、欢迎宴会等,不含住宿费用。

**请10月1日前提交注册表(附件3)给黄晓君老师(邮箱: [huangxiaojunncu@163.com](mailto:huangxiaojunncu@163.com))**

## 会场与住宿地址

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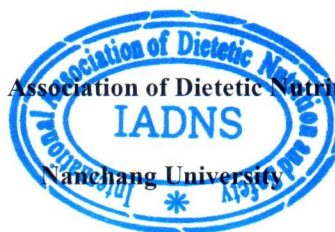
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## 会议联系人

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International Association of Dietetic Nutrition and Safety



2021/09/11

## 摘要

### Anti-obesity molecules of natural origin

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Obesity has outreached the dimensions of a health problem for the countries with westernized lifestyle and has established as a global epidemic over the past 4 decades<sup>[1,2]</sup>. Excessive body weight is among the top five risk factors in terms of attributable deaths and metabolic complications development<sup>[2,3]</sup>. Furthermore, health-care burden associated with obesity-related diseases is expected to rise by 2030<sup>[3]</sup>. Consequently, the prevention and treatment of obesity are subjects undergoing intense research<sup>[4]</sup>. In this respect, compounds of natural origin attract profound interest as candidates for anti-obesity therapy. Rosmarinic acid (RA) is a natural compound known for its anti-inflammatory effects, however, insufficiently examined in context of obesity. We have investigated the anti-adipogenic action of RA in human adipocytes. The most prominent effect was found on the key adipogenic factors CCAAT-enhancer-binding protein alpha (C/EBP $\alpha$ ), peroxisome proliferator-activated receptor gamma (PPAR $\gamma$ ) and adiponectin, as well as on the modulation of transforming growth factor beta and interleukin 17A. Results indicate that RA prevents inflammation and excessive lipid accumulation in human adipocytes and has potential for treatment of obesity and obesity-related inflammation<sup>[5]</sup>. Combinatorial treatment is receiving close view as an attractive approach against obesity. We have evaluated the anti-obesity potential of caffeic acid (CA) and chlorogenic acid (CGA) as co-treatment in human adipocytes. The combination of CA/CGA elevated browning gene expression levels. Mechanistically, AMP-activated protein kinase (AMPK) and PPAR-related pathways were identified as the major involved. The observed browning-inducing potential in adipocytes upon CA/CGA co-stimulation merits implementation in obesity management<sup>[6]</sup>.

#### Acknowledgments:

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1. Jaacks LM, Vandevijvere S, Pan A, et al. *Lancet Diabetes and Endocrinology*, 2019, 7, 231-240.
2. NCD-RisC. *Nature*, 2019, 569, 260-264.
3. Stefan N. *Lancet Diabetes and Endocrinology*, 2020, 8, 616-627.
4. Flaherty SE, Grijalva A, Xu XY, et al. *Science*, 2019, 363, 989-993.
5. Vasileva L. *International Journal of Obesity*, 2020, submitted.
6. Vasileva L. *Food and Chemical Toxicology*, 2020, submitted.

## 注册表

### Registration form

#### 5th International Symposium on Phytochemicals in Medicine and Food (5-ISPMF)

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