

## Package of the autumn, 8(4); 2021

### LIST OF PAPERS

#### Review Article

##### **Beer as a vehicle for probiotics**

Fatemeh Zendeboodi, Mohammad Mahdi Gholian, Elham Khanniri, Sara Sohrabvandi, Amir Mohammad Mortazavian

#### Original Article

**Optimizing Sourdough Process for the Production of Honey and Rose-Like Aromas in Breads,** Elham Farahmand, Seyed Hadi Razavi, Pierluigi Caboni, Seyed Saeid Mohtasebi, Maria Barbara Pisano

**Genotypic and Phenotypic Analyses of Antibiotic Resistance in Indonesian Indigenous Lactobacillus Probiotics,** Dini Andriani, Pratama Nur Hasan, Tyas Utami, Dian Anggraini Suroto, Rachma Wikandari, Endang Sutriswati Rahayu

**Designing a Molecularly Imprinted Polymer-Based Nanomembrane for the Selective Removal of *Staphylococcus aureus* from Aqueous Media,** Sogand Vahid, Hamed Ahari, Behrouz Akbari Adergani, Seyedeh Fatemeh Seyed Reihani

**Antioxidant Activity of Isoflavone Aglycone from Fermented Black Soymilk Supplemented with Sucrose and Skim Milk Using Indonesian Indigenous Lactic Acid Bacteria,** Benediktus Yudo Leksono, Muhammad Nur Cahyanto, Tyas Utami

**Optimization of Antioxidant Activities and Intracellular Polysaccharide Contents Using *Agaricus bisporus* Extract as Elicitor in Submerged Fermenting *Ganoderma lucidum*,** Maryam Esmailifard, Ashrafalsadat Hatamian-Zarmi, Hale Alvandi, Majid Azizi, Zahra Beagom Mokhtari-Hosseini, Bahman Ebrahimi-Hoseinzadeh

**Natural Melanin Synthesized by *Aureobasidium pullulans* Using Food Wastes and its Characterization,** Gamze Nur Mujdeci

**Use of Edible Film Incorporated with Parijoto Fruit Extract (*Medinilla speciosa* Blume) to Inhibit Microbiological and Oxidative Damages of Sausages,** Dwi Retno Fatmawati, Artini Pangastuti, Ari Susilowati

### Members of Editorial Committee

Chairperson, Prof. Amir Mohammad Mortazavian, [mortazvn@sbmu.ac.ir](mailto:mortazvn@sbmu.ac.ir)

Editor in chief, Prof. Kianoush Khosravi-Darani, [k.khosravi@sbmu.ac.ir](mailto:k.khosravi@sbmu.ac.ir)

Executive Director, Dr. Masoomah Moslemi, [m.moslemi@fda.gov.ir](mailto:m.moslemi@fda.gov.ir)

Internal Director, Nafiseh Sadr, [nafiseh.sadr84@gmail.com](mailto:nafiseh.sadr84@gmail.com)

Persian and Graphical Abstract Editor, Prof. Khadijeh Khoshtinat, [kh.khoshtinat@sbmu.ac.ir](mailto:kh.khoshtinat@sbmu.ac.ir)

English Editor, Prof. Ramin Mazaheri Nezhadfar, [raminmazaheri@gmail.com](mailto:raminmazaheri@gmail.com)

### Editorial Board

- Alemzadeh, Iran, PhD, Prof. of Biotechnology; Department of Food Science and Technology, Sharif University of Technology, Tehran, Iran, Islamic Republic of
- Brigham, Christopher J., PhD, Associate Prof. of Microbiology; Department of Molecular Microbiology, University of Massachusetts, Dartmouth, United States
- Emam-Djomeh, Zahra, PhD, Prof. of Food Engineering; Department of Food Science, Technology and Engineering, Faculty of Agronomy Engineering & Technology, College of Agriculture & Natural Resources, University of Tehran, Karaj, Iran, Islamic Republic of
- Emtiazi, Giti, PhD, Prof. of Microbiology; Department of Microbiology, School of Science, Isfahan University, Isfahan, Iran, Islamic Republic of
- Habibi-Najafi, Mohammad-Bagher, PhD, Prof. of Food Science and Biotechnology; Department of Food Science and Biotechnology, School of Agriculture, Ferdowsi University of Mashhad, Mashhad, Iran, Islamic Republic of

- Hamidi-Esfahani, Zohreh, PhD, Associate Prof. of Biotechnology; Department of Food Science and Technology, Tarbiat Modares University, Tehran, Iran, Islamic Republic of
- Hosseini, Hedayat, PhD, Prof. of Food Safety; Department of Food Sciences & Technologies, National Nutrition & Food Technology Research Institute, Faculty of Nutrition Sciences & Food Technology, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of
- Kasra-Kermanshahi, Rouha, PhD, Prof. of Microbiology; Department of Microbiology, Alzahra University, Tehran, Iran, Islamic Republic of
- Katoh, Shigeo, PhD, Prof. Emeritus of Bioengineering; School of Engineering, Kobe University, Kobe, Japan
- Khosravi-Darani, Kianoush, PhD, Prof. of Biotechnology; National Nutrition and Food Technology Research Institute, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of
- Koller, Martin, PhD, Office of Research Management and Service, c/o Institute of Chemistry, University of Graz, Graz, Austria
- Mortazavian-Farsani, Amir-Mohammad, PhD, Associate Prof. of Food Technology; Department of Food Sciences and Technology, School of Food and Nutrition Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of
- Mousavi Khaneghah, Amin, Department of Food Science, Faculty of Food Engineering, University of Campinas, Campinas, SP, Brazil
- Mrša, Vladimir, PhD, Prof. of Biotechnology; Laboratory of Biochemistry, School of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia
- Omri, Abdelvhab, PhD, Prof. of Biotechnology; Department of Chemistry and Biochemistry, Laurentian University, Ontario, Canada
- Panesar, Parmjit S., PhD, Prof. of Food Biotechnology; Department of Food Engineering and Technology, Institute of Engineering and Technology, Punjab, India
- Papetti, Adele, PhD, Prof. of Nutraceutical and Food; Department of Drug Sciences, Nutraceutical and Food Analysis Lab, School of Pharmacy, University of Pavia, Pavia, Italy
- Ravishankar, Rai, V., PhD, Prof. of Food Biotechnology; Department of Microbiology, University of Mysore, Manasagangothri, Mysore, India
- Razavi, Seyed-Hadi, PhD, Prof. of Food Engineering; Department of Food Science, Technology and Engineering; School of Agronomy Engineering & Technology, College of Agriculture & Natural Resources, University of Tehran, Karaj, Iran, Islamic Republic of
- Shojaosadati, Seyed-Abbas, PhD, Prof. of Biotechnology; Department of Chemical Engineering, Tarbiat Modares University, Tehran, Iran, Islamic Republic of

**Journal Contact;** Mailing Address; National Nutrition and Food Technology Research Institute (Shahid Beheshti University of Medical Sciences), 7<sup>th</sup> West Hafezi St., Farahzadi Blvd., Shahrak-e Gharb, Tehran, Iran. Zip Code, 1981619573, P.O. Box, 19395-4741, Tehran, Iran. Tel, +98-21-22086347, Fax, +98-21-22086348, Email, [afb@sbmu.ac.ir](mailto:afb@sbmu.ac.ir)

### List of Respected Reviewers of this issue,

Alaleh Zoghi	<a href="mailto:alaleh_zo@yahoo.com">alaleh_zo@yahoo.com</a>
Ali Taheri	<a href="mailto:taherienator@gmail.com">taherienator@gmail.com</a>
Amin Yagoubi	<a href="mailto:aminyagoubi@yahoo.com">aminyagoubi@yahoo.com</a>
Anthony Idowu	<a href="mailto:tonitop17@yahoo.com">tonitop17@yahoo.com</a>
Atreyi Sarkar	<a href="mailto:sarkar.atreyi03@gmail.com">sarkar.atreyi03@gmail.com</a>
Bulent Kabak	<a href="mailto:bulentkabak@hitit.edu.tr">bulentkabak@hitit.edu.tr</a>
Endry Nugroho Prasetyo	<a href="mailto:endry@bio.its.ac.id">endry@bio.its.ac.id</a>
Fattanehashempour	<a href="mailto:fhashempour92@yahoo.com">fhashempour92@yahoo.com</a>
Gpe Virginia Nevárez-Moorillón	<a href="mailto:vnevare@uach.mx">vnevare@uach.mx</a>
Haryo Bimo Setiarto	<a href="mailto:haryobimo88@gmail.com">haryobimo88@gmail.com</a>
Hedayat Hosseini	<a href="mailto:hedayat@sbmu.ac.ir">hedayat@sbmu.ac.ir</a>
Helen Onyeaka	<a href="mailto:h.onyeaka@bham.ac.uk">h.onyeaka@bham.ac.uk</a>
Iran Alemzadeh	<a href="mailto:alemzadeh@sharif.edu">alemzadeh@sharif.edu</a>
Kianoush Khosravi Darani	<a href="mailto:kiankh@yahoo.com">kiankh@yahoo.com</a>
Lakshmi Mundkur	<a href="mailto:lakshmi@samilabs.com">lakshmi@samilabs.com</a>

Leila Mirmoghtadaie	mirmoghtadaie@sbmu.ac.ir
Mahshid Jahadi	mahshidjahadi@yahoo.com
Malgorzata Gniewosz	malgorzata_gniewosz@sggw.pl
Masoumeh Moslemi	moslemy.m@gmail.com
Mohammad Hojjati	hojjati@asnrukh.ac.ir
Parvin Shariati	shariati@nigeb.ac.ir
R. Haryo Bimo Setiarto	haryobimo88@gmail.com
Ramesh Subramani	ramesh.subramani@psgrkcw.ac.in
Ramin Mazaheri Nezhad Fard	raminmazaheri@gmail.com
Saber Amiri	sa.amiri@urmia.ac.ir
Sepideh Asadzadeh	s.asadzadeh@sahargroup.ir
Tyas Utami	tyas_utami@ugm.ac.id
Zohreh Hamidi-Esfahani	hamidy_z@modares.ac.ir

## About the journal

**Abstracting and Indexing;** Chemical Abstracts, Index Copernicus, IMEMR, DOAJ, Biosis Previews, ISI Web of Science (Science Citation Index Expanded), Journal Citation Reports, IPA, EMBASE, Scopus, EMR medex, EMRO, Iran medex, Open J-Gate, Scientific Information Database (SID), EBSCO, ISC, This journal is also available in [Google Scholar](#), ranked in [Scimago Journal & Country Rank](#), registered in [NLM-catalog](#).

## Editorial Policies

### Focus and Scope

- Biochemical Microbiology and Bioprocess Engineering (for food production, fortification, safety, etc)
- Metabolic and Genetic Engineering in Food Science
- Food Microbiology (biotechnological approach)
- Microbial Nanobiotechnology in Food Science and Technology
- Microbial Biopolymers as Food Packaging Materials
- Role of Microorganisms in Waste Treatment of Food Industries
- Biodecontamination

## Section Policies

### Plagiarism Policy

Definition- When an author tries to present the work of someone else as his or her own, it is called plagiarism. In addition, when an author uses a considerable portion of his or her own previously published work in a new one without properly citing the reference, it is called a duplicate publication; sometimes also referred to as self-plagiarism. This may range from publishing the same article in another journal to 'salami-slicing', which is data segmentation, to adding little new data to the previous article.

The similarity of the submitted manuscript is measured before the peer-review process and once again before publication by common plagiarism checker software. The editorial board of the journal establishes the following policies that state-specific actions (penalties) if plagiarism is identified in a manuscript submitted for publication. Authors should ensure that they submit only entirely original works. "Plagiarism in any forms is unacceptable including quotations or paraphrasing of substantial parts of another's article (without attribution), "passing off" another's article as the author's own or claiming results from research conducted by others". The authors must ensure that the submitted manuscript, - describes completely the original work; - is not plagiarism; - has not been published before in any language; the information used or words from other publications are appropriately indicated by reference or indicated in the text. Existing copyright laws and conventions must be observed. The *Applied Food Biotechnology* takes responsibility to assist a scientific community in all aspects of publication ethics policy, particularly in case of multiple submission/publication and plagiarism. The editors reserve the right to check the received manuscripts for plagiarism. The textual similarity in the amount of more than 20% will be rejected or withdrawn if some unethical issues were defined after publication.

**Policy,** The editorial team/reviewers of "International Clinical Neuroscience Journal" will check the submitted manuscripts for plagiarism twice (once after submission and once before publication) using available plagiarism detection software such as [iThenticate](#). If suspected plagiarism is found in an article

either before (by reviewers or editorial team) or after (by readers) publication, the journal will act according to [COPE's code of conduct and flowcharts](#).

**Preprint Policy,** A preprint is a paper that is made available publicly via a community preprint server prior to submission to a journal. Preprint help the safety of a manuscript during the peer-review process, increase the speed of dissemination of knowledge, and citation of the article after publication. *Applied Food Biotechnology* allows for the submission of manuscripts that have already been made available on such a server. Allowing submission does not, of course, guarantee that an article will be sent out for review; it simply reflects a belief that availability on a preprint server should not be a disqualifier for submission. *Applied Food Biotechnology* will consider for review articles previously available as preprints. Authors are requested to point to DOI of a preprint on the first page of the manuscript update any pre-publication versions with a link to the final published article. Authors may also post the final published version of the article immediately after publication.

### **Peer Review Process**

This is a journal with a blind peer-review process, but the name of reviewers are listed in each issue (Package for the authors).

1- For paper submission, the author should register on the journal website (<http://journals.sbm.ac.ir/afb>) and register. After receiving their username and password via e-mail, the authors could use the "Submit paper" link, log in, and submit their manuscript.

2- Manuscripts written according to the journal format (considering the format in sectioning, the number of words in abstract, references, etc.) are referred to the related section editor. If the paper fits the specified fields of the journal and has innovation, then it will be sent to three or more national and international experts in that specific field, at least two of which are out of the editorial board members (preferably one from the scientifically advanced countries). The corresponding author could also suggest potential reviewers to the journal at the time of submission. However, the editorial board reserves the right to select or refuse to use the suggested potential reviewers.

3- The reviewer comments will be sent to the corresponding author in 3 weeks.

4- After receiving the modified version of the manuscript and/or the author's answers to the reviewer questions, it will be sent to a final reviewer. If the modifications and/or answers are not adequate, they will be sent back to the corresponding author with a specified deadline to send the final corrected version.

5- The final corrected version of the manuscript is sent back to the same final reviewer. Then, the comments and the overall opinion of the final reviewer are discussed in the journal editorial board, and the final decision (the acceptance letter or a letter informing the author of not accepting the manuscript) will be sent to the corresponding author.

### **Open Access Policy**

This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.

Publication ethics and malpractice statement

### **Ethical Consideration for human and animal subjects,**

1) If human subjects are used then they have to be registered with the Iranian Registry of Clinical Trials website ([www.irct.ir](http://www.irct.ir)) or the related country and ethical committee of the research center or University where the study was carried out.

2) Research with human subjects should be conducted in full accordance with ethical principles, including the WMA Declaration of Helsinki-Ethical Principles for Medical Research Involving Human Subjects (2008) <http://www.wma.net/en/30publications/10policies/b3/index.html>

3) The submitted manuscripts must transparently state this in their methods and materials including a statement outlining whether the study has been independently reviewed and approved by an ethical board.

4) Moreover, where human subjects are used, informed consent explaining the nature of the procedure and possible discomforts and risks should be obtained from all patients who participated in the experimental investigation and subjects should be able to freely reject participation.

5) If animals are used, a statement protocol approval by the institutional animal care and use committee must be included. Methods section must clearly show that adequate measures were taken to minimize pain and/or distress, for example, the administration of local anesthetics or general anesthesia. Experiments

should be carried out in accordance with the European Communities Council Directive of 24 November 1986 (86/609/EEC) and in accordance with local laws and regulations governing within that country or with the guidelines laid down by the National Institute of Health (NIH) in the USA regarding the care and use of animals for experimental procedures.

#### **A: Authors**

1. Publication and authorship,
  - The research being reported should have been conducted in an ethical and responsible manner and should comply with all relevant legislation.
  - Authors should present their results clearly, honestly, and without fabrication, falsification or inappropriate data manipulation.
  - Authors should strive to describe their methods clearly and unambiguously so that their findings can be confirmed by others.
  - Authors should adhere to publication requirements that submitted work is original, is not plagiarized<sup>1</sup>, and has not been published elsewhere.
  - Authors should take collective responsibility for submitted and published work.
  - The authorship of research publications should accurately reflect individuals' contributions to the work and its reporting.
  - Authors must list all references used in/for the article and should not copy references from other publications if they have not read the cited work.
  - Funding sources and relevant conflicts of interest<sup>2</sup> should be disclosed.
2. Author's responsibility,
  - Only people who contributed significantly to the research and/or article can be listed as 'author'. People who contributed in a lesser role must be acknowledged as 'contributors'.
  - Authors are obliged to participate in the peer-review process and should follow the publisher's requirements.
  - Authors should inform the editor if they withdraw their work from review or choose not to respond to reviewers' comments. If authors wish to withdraw after revision process and receiving a conditional acceptance, article publication fee cannot be pay back to the authors.
  - Authors should respond to reviewers' comments in a professional and timely manner.
  - Authors should use appropriate methods of data analysis and display and should state that all data in the article are real and authentic.
  - Authors should check their publications carefully at all stages to ensure methods and findings are reported accurately. Authors should carefully check calculations, data presentations, typescripts/submissions, and proofs.
  - Authors should respond appropriately to post-publication comments and published correspondence. They should attempt to answer correspondents' questions and supply clarification or additional details where needed.
  - Authors should alert the editor promptly if they discover an error in any submitted, accepted, or published work. Authors should cooperate with editors in issuing corrections or retractions when required.
  - Authors should work with the editor or publisher to correct their work promptly if errors or omissions are discovered after publication.

#### **B: Peer reviewer/ responsibility of reviewers**

- The reviewers only agree to review manuscripts for which they have the subject expertise required to carry out a proper assessment and which they can assess in a timely manner.
- Reviewers should point out relevant published work which is not yet cited.
- In reviewing an article they respect the confidentiality of the process and the rights of those who submitted the articles.
- The reviewers will not use any information obtained during the peer-review process for their own or any other person's or organization's advantage or to disadvantage or discredit others.
- The reviewers should not have any conflict of interest and will declare all potential conflicting interests.
- They will not be influenced by the origins of a manuscript, by the nationality, religious or political beliefs, gender or other characteristics of the authors, or by commercial considerations.
- The reviewers will be objective and constructive in their reviews, refraining from being hostile or inflammatory and from making libelous or derogatory personal comments.
- They undertake to carry out their fair share of reviewing and in a timely manner.
- They will provide journals with personal and professional information that is accurate and a true representation of their expertise.

### **C: Editorial Responsibilities**

- The editors are accountable and take their responsibility for everything they publish and editor-in-chief has authority to reject or accept an article.
- The editor/s will make fair and unbiased decisions and should not be involved in decisions about papers in which they have a conflict of interest whether they reject or accept the article.
- The editor/s will guard the integrity of the published record by issuing corrections and retractions when needed and pursuing suspected or alleged research and publication misconduct.
- The Editors will protect reviewers' identities. However, if reviewers wish to disclose their names, this will be permitted
- The editor-in-chief will pursue reviewer and editorial misconduct.
- The editors will critically assess the ethical conduct of studies in humans and animals and are responsible for the ethical standards of the journal.

### **D: Publishing ethics issues**

- The editorial board will monitor and safeguard the publishing ethics of the journal
- The guidelines for retracting articles are as follows, - Articles that are seriously unreliable will be retracted. Redundant articles (published in other journals) will be retracted. Minor errors or authorship changes will not lead to retraction but require a correction notice.  
- Notices of retraction will clearly state the reason and the retracted article will be clearly marked in all electronic versions of the journal, and a retraction notice will be published in the print copy of the journal.
- The journal will not compromise intellectual or ethical standards in favor of the business needs of the journal.
- The editorial board will maintain the integrity of the academic record of the journal.
- The editorial board will always be willing to publish corrections, clarifications, retractions and apologies when needed.
- No plagiarism and no fraudulent data will be tolerated in this journal.

### **Notes,**

### **Conflict of Interest and Funding Disclosure**

Funding sources and relevant conflicts of interest should be disclosed. The disclosure of a potential conflict of interest does not necessarily exclude an article from consideration for publication; the goal of disclosure is transparency.

Any existing financial arrangements between an author and a company whose product figures prominently in the submitted manuscript or between the author and any company or organization sponsoring the research reported in the submitted manuscript should be brought to the attention of the Editor at manuscript submission.

All authors must declare all sources of funding for the research reported in their manuscript and report all potential conflicts of interest in separate footnotes on the manuscript title page. If an author has no conflicts of interest, the footnote should list the author's name, followed by "no conflicts of interest".

Potential conflicts of interest include,

1. Having a close relative or a professional associate with a financial interest in the research outcome.
2. Serving as an officer, director, member, owner, trustee, or employee of an or as an expert witness, advisor, consultant, or public advocate (with or without compensation) on behalf of an organization with a financial interest in the outcome;
3. Receiving support, including grants, contracts or subcontracts, fellowships, consulting agreements, or gifts (e.g. chemicals, experimental diets, trips) with a company or organization having a financial interest in the outcome at present, during the time the research was conducted, the near past and the near future.

**Applied Food Biotechnology retains the right to reject any manuscript on the basis of unethical issue especially unethical conduct of either human or animal studies.**



This open-access journal distributed under the terms of the Creative Commons Attribution NonCommercial 4.0 License (CC BY-NC 4.0).