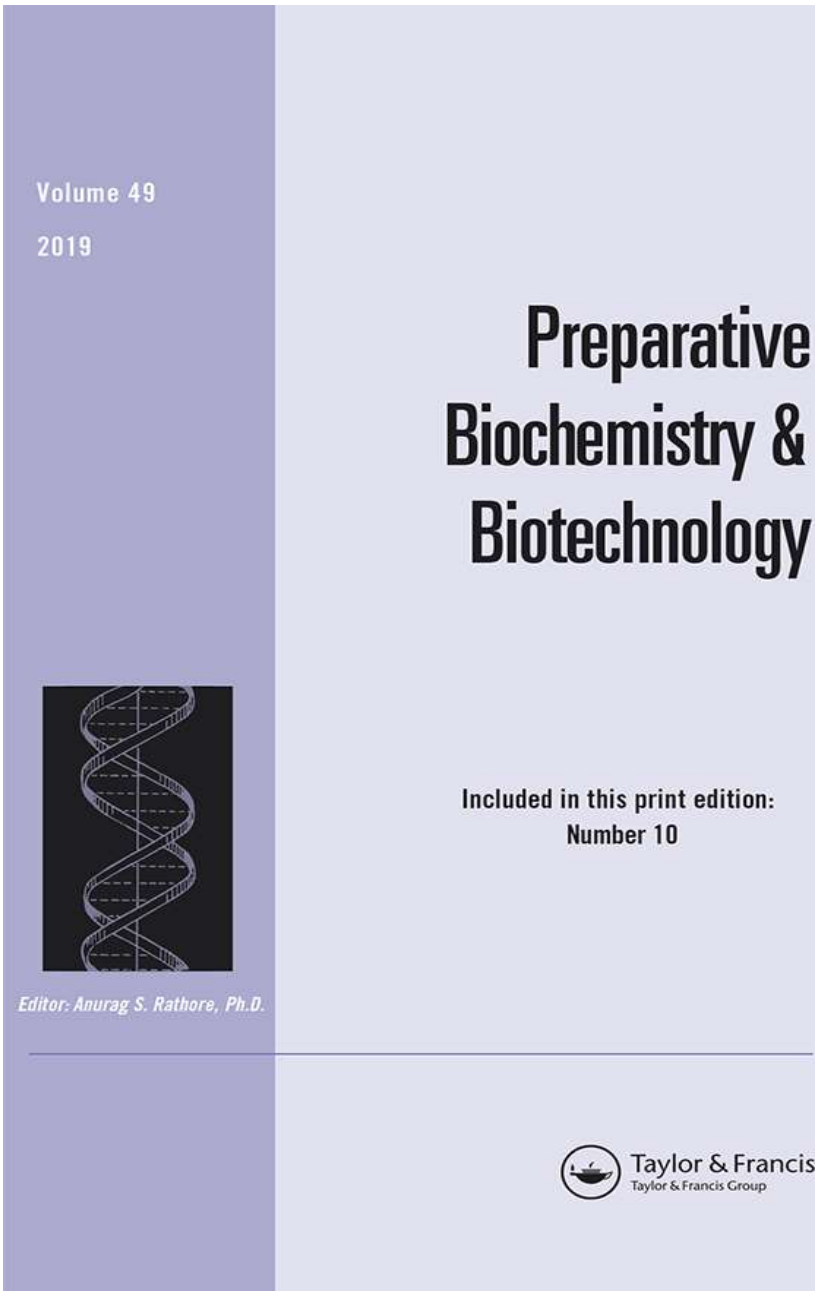
SYARAT TAMBAHAN USULAN GURU BESAR/PROFESOR

a/n. DR. JONI AGUSTIAN, S.T., M.Sc.

REVIEWER JURNAL INTERNASIONAL BEREPUTASI #04



Gmail JONI AGUSTIAN <joni.agustian@eng.unila.ac.id>

Preparative Biochemistry & Biotechnology - Invitation to Review Manuscript ID LPBB-2017-0317

1 message

Preparative Biochemistry & Biotechnology Tue, Nov 28, 2017 at 12:04 PM
<onbehalfof+asrathore+biotechcmz.com@manuscriptcentral.com>
Reply-To: asrathore@biotechcmz.com
To: joni.agustian@eng.unila.ac.id

28-Nov-2017

Dear Dr Joni Agustian:

The above manuscript, entitled "Integrated Continuous Biomanufacturing Platform with ATF Perfusion and One Column Chromatography Operation for Optimum Resin Utilization and Productivity"
has been submitted to Preparative Biochemistry & Biotechnology.

I would be pleased if you would kindly agree to act as a reviewer for this paper. The abstract appears at the end of this letter.

Please let me know as soon as possible if you will be able to accept my invitation to review. To do this please either click the appropriate link below to automatically register your reply with our online manuscript submission and review system, or e-mail me with your reply.

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I realise that our expert reviewers greatly contribute to the high standards of the Journal, and I thank you for your present and/or future participation.

Sincerely,
Dr Rathore
Preparative Biochemistry & Biotechnology Editorial Office
asrathore@biotechcmz.com

MANUSCRIPT DETAILS

TITLE: Integrated Continuous Biomanufacturing Platform with ATF Perfusion and One Column Chromatography Operation for Optimum Resin Utilization and Productivity

ABSTRACT: A new integrated continuous biomanufacturing platform for continuous production of therapeutic proteins in bioreactors at fixed volumes and cell concentrations for extended periods (greater than 30 days) with immediate capture in initial chromatography is presented. Continuous upstream antibody production has reached technological maturity, however, the bottleneck for continuous biomanufacturing remains the efficient and cost effective capture of therapeutic antibodies in an initial chromatography step. In this study, the first successful attempt at using one-column continuous chromatography (OCC) for the continuous capture of therapeutic antibodies produced through alternating tangential flow (ATF) perfusion is presented. A 3-L perfusion bioreactor was connected to a single 5-mL prepacked Protein A column for the continuous capture of a therapeutic antibody under low flow rates, maximizing column resin utilization. The current process proposes a column that is 1 % of the bioreactor size. The column was switched after 70 – 100 cycles. This approach is the first report on using a single column for the implementation of a truly integrated continuous biomanufacturing platform. By method optimization and flow synchronization, this process improves previously proposed platforms and offers a cost effective and flexible platform process for the manufacture of both stable and unstable therapeutic agents.

Gmail **JONI AGUSTIAN <joni.agustian@eng.unila.ac.id>**

Thank you for submitting your review of Manuscript ID LPBB-2017-0317 for Preparative Biochemistry & Biotechnology

2 messages

Preparative Biochemistry & Biotechnology <onbehalfof@manuscriptcentral.com> Fri, Dec 22, 2017 at 8:45 AM
Reply-To: asrathore@biotechcmz.com
To: joni.agustian@eng.unila.ac.id

21-Dec-2017

Dear Dr Joni Agustian:

Thank you for reviewing the above manuscript, entitled "Integrated Continuous Biomanufacturing Platform with ATF Perfusion and One Column Chromatography Operation for Optimum Resin Utilization and Productivity" for Preparative Biochemistry & Biotechnology.

We greatly appreciate the voluntary contribution that each reviewer gives to the Journal. We hope that we may continue to seek your assistance with the refereeing process for Preparative Biochemistry & Biotechnology, and hope also to receive your own research papers that are appropriate to our aims and scope.

Sincerely,
Dr Rathore
Associate Editor, Preparative Biochemistry & Biotechnology
asrathore@biotechcmz.com

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JONI AGUSTIAN <joni.agustian@eng.unila.ac.id> Fri, Dec 22, 2017 at 8:53 AM
To: Anurag Rathore <asrathore@biotechcmz.com>

You are welcome Dr. Rathore.

Hope you still invite me to help reviewing the PBB articles.

Thank You.

Dr. Joni Agustian
[Quoted text hidden]

Title: INHIBITION OF ESCHERICHIA COLI GROWTH BY NANO-SILVER SYNTHESIZED VIA SOLUTION EVAPORATION METHOD AT VARYING TEMPERATURE REGIMES – IN VITRO ANTIBACTERIAL ASSAY

This paper describes synthesis of AgNPs and its use as an antibacterial agent. Synthesis of the NPs are conducted firstly and continued with the inhibition experiments.
Based-on the article contents, it is suggested to change the tittle as the inhibition process is not the main part of the research.

Abstract:

1. P-2 line 23: check grammar: singular or plural → "is a major threat" should be changed to "are major threats"
2. P-2 line 25: check grammar: "Antibacterial potential" must be replaced with "An antibacterial potential agent"
3. "various concentration" changed to "various concentrations"
4. "Particles" changed to "The particles"
5. "size ranging between 28 to 40 nm" changed to "sizes ranging from 28 to 40 nm"
6. "while irregular and non-uniform surface was evident using …." changed to "while irregular and non-uniform surface were proved using ….."
7. State what parameters were used to analyzed the inhibition process!?
8. In this part, the research background should be stated clearly
9. Inform aim(s) of research in this section
10. Use grammar correctly.
11. More results on inhibition trials must be presented in this part.

INTRODUCTION: It is required to state strongly in Introduction the background and aim(s) of the research, and the novelty of research. In the current version, there is no a clear description why the solution evaporation method is chosen as the way to make AgNPs as no other available processes are revealed. Similarly, no explanations are found on the inhibition processes of the chosen microbe.

MATERIALS AND METHODS
It is important to describe the materials used in the experiments such as their names, purity and supplier(s). Providing a specific section for Materials is excellence.
What is meant by "Silver nitrate solution was added drop by drop into sodium borohydride solution with continuous stirring on magnetic stirrer for 40 min at room temperature, 50 and 70oC that resulted in a black colored product" … was temperature of NaBH4 set to RT, 50 and 70°C or temperature of the AgNO3?

RESULT, DISCUSSION
Results have been stated, however, justifications of the results must be elucidated precisely and clearly. Problems with English, must be rewritten as errors are found in some places.

ACKNOWLEDGEMENT: Rewrite the sentence using correct grammar.

REFERENCES: … a correction is required → reference no. 12 must be corrected

CONCLUSIONS: Rewrite this section by mentioning results concluded the experiments and presenting forecast in a proper way. Grammatical errors are also found.

Source details

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Scopus coverage years: from 1996 to Present

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Biochemistry, Genetics and Molecular Biology: Biochemistry

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Preparative Biochemistry and Biotechnology

COUNTRY

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Universities and research institutions in United States

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Biotechnology

Medicine
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H-INDEX

27

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INFORMATION

Homepage

How to publish in this journal

SCOPE

Preparative Biochemistry & Biotechnology is an international forum for rapid dissemination of high quality research results dealing with all aspects of preparative techniques in biochemistry, biotechnology and other life science disciplines. Scope includes: -Techniques pertinent to clarification, isolation, enrichment, and purification of biotech products -Products in areas of human therapeutics, biofuels, plant biotechnology, animal biotechnology, food processing, and environmental biotechnology -Unit operations including fermentation/ cell culture, centrifugation, depth filtration, homogenization, chromatography, ultrafiltration, diafiltration, refolding, viral filtration, viral inactivation, sterile filtration, extraction, two phase separation, precipitation, osmotic shock, and lyophilization -Industrial applications involving preparative processing Priority will be given to novel results that are likely to have major impact on the respective research area.

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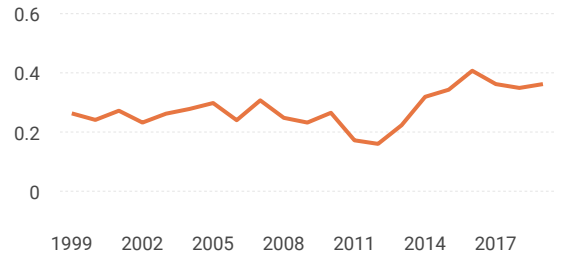

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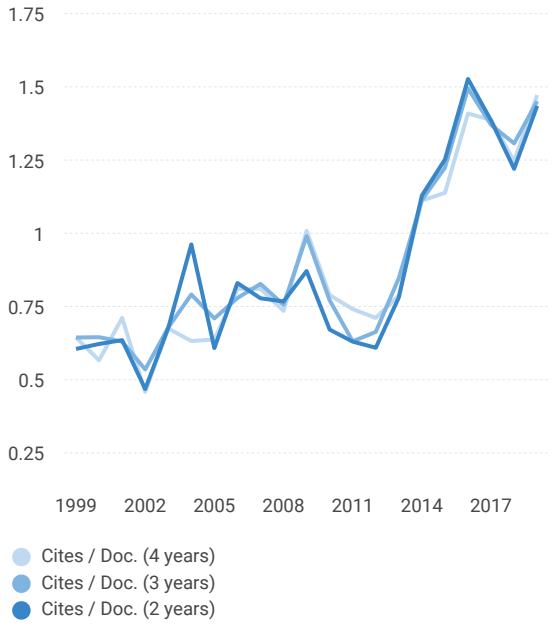

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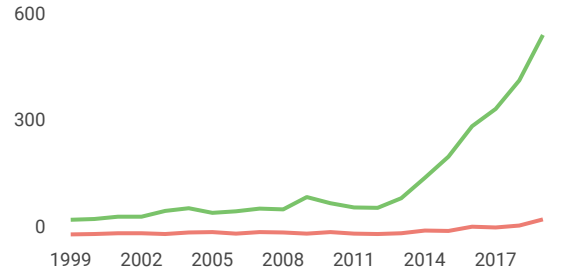

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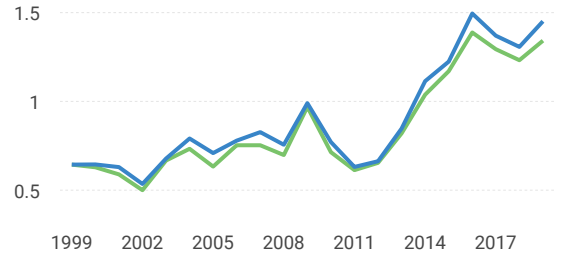

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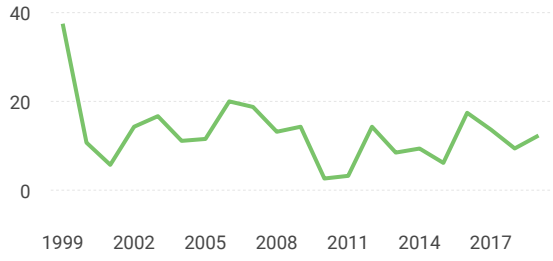

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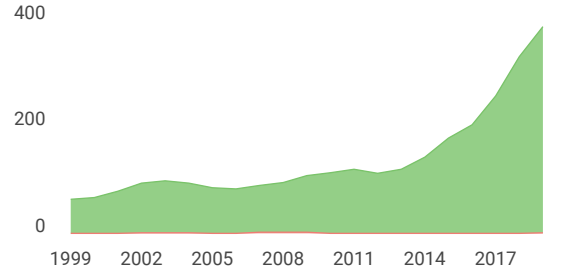

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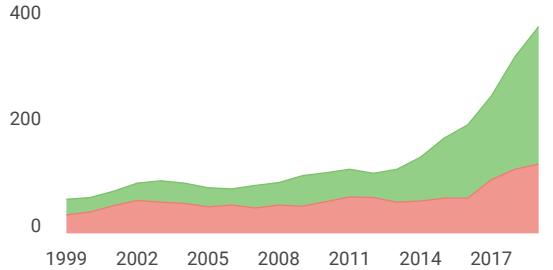

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Journal

Preparative Biochemistry & Biotechnology ›

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Aims and scope

Preparative Biochemistry & Biotechnology is an international forum for rapid dissemination of high quality research results dealing with all aspects of **preparative** techniques in biochemistry, biotechnology and other life science disciplines. Scope includes:

- Techniques pertinent to clarification, isolation, enrichment, and purification of biotech products
- Products in areas of human therapeutics, biofuels, plant biotechnology, animal biotechnology, food processing, and environmental biotechnology
- Unit operations including fermentation/ cell culture, centrifugation, depth filtration, homogenization, chromatography, ultrafiltration, diafiltration, refolding, viral filtration, viral inactivation, sterile filtration, extraction, two phase separation, precipitation, osmotic shock, and lyophilization
- Industrial applications involving preparative processing

Priority will be given to novel results that are likely to have major impact on the respective research area.

Readership

Readership includes chemists, biotechnologists, engineers, physicists, and life scientists involved in discovery, development, or manufacturing of products in the areas of human therapeutics, biofuels, plant biotechnology, animal biotechnology, food processing, and environmental biotechnology.

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Readership includes chemists, biotechnologists, engineers, physicists and life scientists working in biochemistry, pharmaceuticals, molecular and cell biology, agrochemistry, natural products, genetic engineering, bioengineering, fermentation chemistry, cloning and stem cells.
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