

BUKTI KORESPONDENSI

JOURNAL OF NATURAL FIBERS

The screenshot shows the Author Dashboard for the Journal of Natural Fibers. The main heading is "Manuscripts with Decisions". Below the heading, there is a table with columns: ACTION, STATUS, ID, TITLE, SUBMITTED, and DECISIONED. The table contains one entry for manuscript WJNF-2020-0241.R1, which has been accepted on 16-Sep-2020. The title is "The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites". The status is "Files Archived".

ACTION	STATUS	ID	TITLE	SUBMITTED	DECISIONED
	ADM: Maciejowska, Izabela ADM: Grygorowicz, Marta ADM: Mackiewicz-Talarczyk, Maria	WJNF-2020-0241.R1	The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites <i>Files Archived</i>	12-Sep-2020	16-Sep-2020

Accept (16-Sep-2020)
Archiving completed on 14-Jan-2021

This screenshot shows the same Author Dashboard but with a detailed view of the revision history for manuscript WJNF-2020-0241.R1. It shows that a revision was submitted on 25-May-2020 and accepted on 22-Aug-2020. The status is "Major Revision (22-Aug-2020)". The title is "The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites". The status is "Files Archived".

ACTION	STATUS	ID	TITLE	SUBMITTED	DECISIONED
a revision has been submitted (WJNF-2020-0241.R1)	ADM: Maciejowska, Izabela ADM: Mackiewicz-Talarczyk, Maria	WJNF-2020-0241	The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites <i>Files Archived</i>	25-May-2020	22-Aug-2020

Major Revision (22-Aug-2020)
a revision has been submitted
Archiving completed on 14-Jan-2021
[view decision letter](#)
[Contact Journal](#)

- Author Dashboard
- 2 Manuscripts with Decisions
- Legacy Instructions
- 5 Most Recent E-mails
- English Language Editing Service

5 Most Recent E-mails

This section lists the five most recent e-mails that have been sent to you regarding your submission(s).

ACTION	DATE	SUBJECT
Remove	16-Sep-2020	Journal of Natural Fibers - Decision on Manuscript ID WJNF-2020-0241.R1
Remove	12-Sep-2020	Journal of Natural Fibers - Manuscript ID WJNF-2020-0241.R1 has been submitted online
Remove	12-Sep-2020	Journal of Natural Fibers - WJNF-2020-0241.R1 - changes required to your submission
Remove	12-Sep-2020	Journal of Natural Fibers - Manuscript ID WJNF-2020-0241.R1 has been submitted online
Remove	22-Aug-2020	Journal of Natural Fibers - Decision on Manuscript ID WJNF-2020-0241

Remove All Emails from this List

Journal of Natural Fibers

Preview

From: ryszard.kozlowski@escorena.net
To: smadnasri@yahoo.com
CC:
Subject: Journal of Natural Fibers - Decision on Manuscript ID WJNF-2020-0241
Body: 22-Aug-2020

Dear Dr Madnasri:

Your manuscript entitled "The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites", which you submitted to Journal of Natural Fibers, has been reviewed. The reviewer comments are included at the bottom of this letter.

The reviewer(s) would like to see some revisions made to your manuscript before publication. Therefore, I invite you to respond to the reviewer(s)' comments and revise your manuscript.

When you revise your manuscript please highlight the changes you make in the manuscript by using the track changes mode in MS Word or by using bold or colored text.

To start the revision, please click on the link below:

*** PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm. ***

https://mc.manuscriptcentral.com/jnf?URL_MASK=bf9222aebbe445b6bf6f413617915cae

This will direct you to the first page of your revised manuscript. Please enter your responses to the comments made by the reviewer(s) in the space provided. You can use this space to document any changes you made to the original manuscript. Please be as specific as possible in your response to the reviewer(s).

This link will remain active until you have submitted your revised manuscript. If you begin a revision and intend to finish it at a later time, please note that your draft will appear in the "Revised Manuscripts in Draft" queue in your Author Center.

IMPORTANT: Your original files are available to you when you upload your revised manuscript. Please delete any redundant files before completing the submission.

Because we are trying to facilitate timely publication of manuscripts submitted to Journal of Natural Fibers, your revised manuscript should be uploaded by 12-Sep-2020. If it is not possible for you to submit your revision by this date, we may have to consider your paper as a new submission.

Once again, thank you for submitting your manuscript to Journal of Natural Fibers, and I look forward to receiving your revision.

ScholarOne Manuscripts - Google Chrome
mc.manuscriptcentral.com/jnf?PARAMS=xik_2p2eDXotEx6V7GwibvHkT1xD4beBPRzcVtK3swmWHQjzsfVr4xGCCsN2vEYXZgJfb7dCqd9mWZoNfuEF9XTSK8xZWC33g3zsSKAZP98nAlaQm3JqkPaxZxcB...

Journal of Natural Fibers

Preview

From: maria.talarczyk@escorena.net
To: smadnasri@yahoo.com
CC:
Subject: Journal of Natural Fibers - Manuscript ID WJNF-2020-0241.R1 has been submitted online
Body: 12-Sep-2020

Dear Dr Madnasri:

Your manuscript entitled "The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites" has been successfully submitted online and is presently being given full consideration for publication in Journal of Natural Fibers.

Your manuscript ID is WJNF-2020-0241.R1.

Please mention the above manuscript ID in all future correspondence or when calling the office for questions. If there are any changes in your street address or e-mail address, please log in to ScholarOne Manuscripts at <https://mc.manuscriptcentral.com/jnf> and edit your user information as appropriate.

You can also view the status of your manuscript at any time by checking your Author Center after logging in to <https://mc.manuscriptcentral.com/jnf>.

Thank you for submitting your manuscript to Journal of Natural Fibers.

Sincerely,
Journal of Natural Fibers Editorial Office

Date Sent: 12-Sep-2020

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mc.manuscriptcentral.com/jnf?PARAMS=xik_3tTgTyuc8LLavLZZXDH76z2fREeXJLGY6k1rNEMQuC3u3fyKBqxdxUKzHv3LFMSERjeiF1hGay6PXEkYVp8XdvWriGKKopFW9T6nmPj9pW5xfkxMKcNWopwX...

Journal of Natural Fibers

Preview

From: maria.talarczyk@escorena.net
To: smadnasri@yahoo.com
CC:
Subject: Journal of Natural Fibers - WJNF-2020-0241.R1 - changes required to your submission
Body: 12-Sep-2020

Dear Dr Sutikno Madnasri:

Please correct your references according to the attachment.

Your above referenced manuscript, entitled "The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites" requires some further changes before it is ready for reviewing in Journal of Natural Fibers. Your submission has been returned to you and is located in your Author Center as a draft, so that you can make the required changes to it and submit it again.

Your submission along with all files you submitted is now in your Author Center, at <https://mc.manuscriptcentral.com/jnf> Please read the Quick Guide to Continuing your Submission, which shows how you can access your manuscript, and submit it back to the site. The Guide is located at http://mc.manuscriptcentral.com/societyimages/tandf_qsd/Continuing%20a%20Submission_screenshot.pdf

Your manuscript must be set out in our Journal's style before we will review it. Please revise it in line with our style, and submit an improved manuscript. See the Instructions for Authors for details, which can be reached via the "Instructions & Forms" link at the top right of this page.

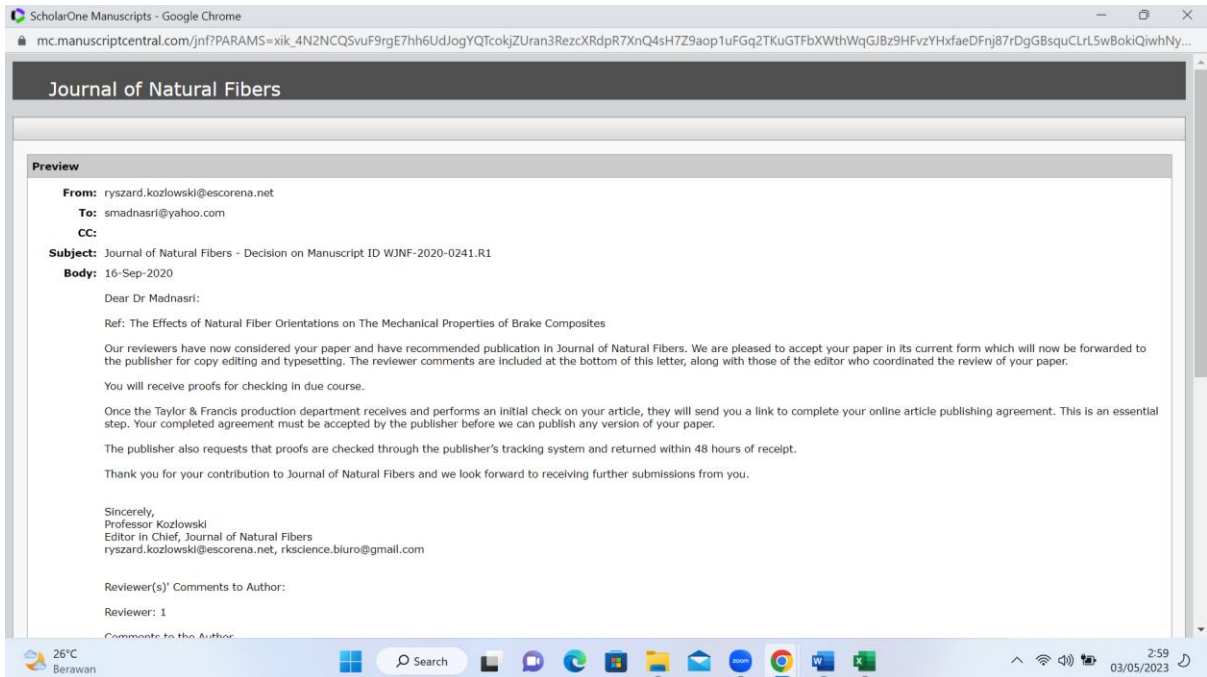
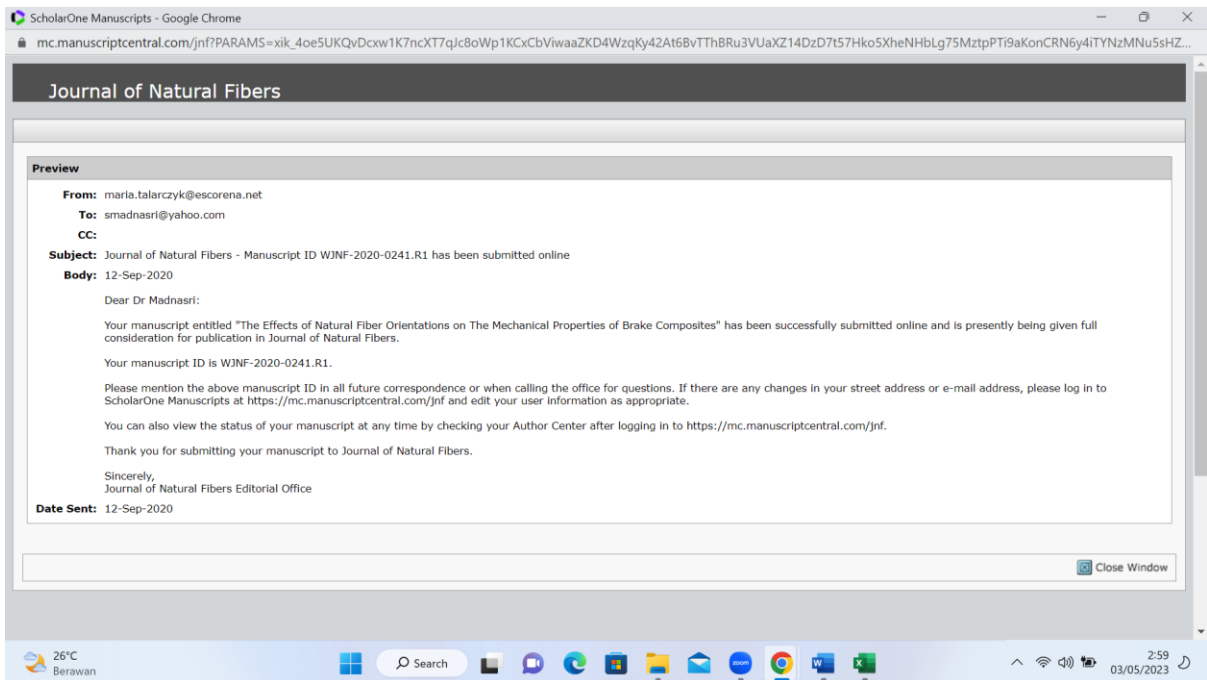
You may contact the Editorial Office if you have further questions.

Sincerely,
Journal of Natural Fibers Editorial Office

Date Sent: 12-Sep-2020

File 1: [HOW-TO-PREPARE-REFERENCFS-Chicago-style.pdf](#)

Close Window



RESPONSES TO REVIEWER'S COMMENTS

Comments and suggestions from reviewers have been followed up and revisions made and it can be seen in **the colored text (blue)** in the manuscript. As information, the old text is written in black. In particular, several literacy titles on interfacial adhesion are colored purple. The list of responses to reviewers' comments is as follows.

1. Revise the abstract. Make it in a systematic and sequential manner

Response:

OK. It's been done. Thanks.

2. In the introduction, the literature pertaining to the composition of PALF seems to be wrong. Please refer to the below paper.

Hazarika, D., Gogoi, N., Jose, S., Das, R., & Basu, G. (2017). Exploration of future prospects of Indian pineapple leaf, an agro-waste for textile application. *Journal of Cleaner Production*, 141, 580-586.

Also see the excellent papers of Dr. Jayamol George on PALF, all these papers have to be read, cited and discussed.

(https://scholar.google.com/citations?hl=en&user=pyPS2MQAAAAJ&view_op=list_works&sort_by=pubdate). Please read her nice paper in *Polymer engineering and science*. (highly cited paper)

Also see the nice papers of Dr. LU Devi et al *Polymer Composites* 31 (6), 956-965, Dr. Devei has adopted the hybrid approach. Can you comment on the hybridisation? Also see the nice papers of OJ Shesan et al. - 2019, L Pupure et al. 2020 and M Milosevic - 2020.

Response:

We have come studied several articles reporting on the chemical composition of PALF. Then we have considered selecting data that is nearly as accurate as possible as recommended by reviewers and based on the largest number of articles reporting nearly the same chemical composition of PALF. The chemical composition of PLAF is already revised. We have also read and cited all articles recommended by reviewers and relevant to the topic of our manuscript. We thank for the material and critical opinions that make our manuscripts become better.

3. Towards the end of the introduction, a road map for the research can be incorporated. Also, the novelty of the works should be mentioned precisely.

Response:

OK. Thank. The roadmap file already is completed and attached to the main document.

4. The physic-mechanical properties of the selected fibres like fineness, length, bundle strength, elongation, moisture content, etc should be mentioned in the manuscript

Response:

Ok. Thank. They are already completed in the revised manuscript as complete as possible, taken from some references.

5. Mention the name of all the chemical suppliers and the purity of chemicals used for the study.

Response:

Ok. Thank you. They are written in details in the Materials and Method part.

6. In materials and methods, provide separate sub headings for fibre extraction, composite preparation and testing

Response:

Thank you. It is already done.

7. Do you have the SEM images of cross section of the composite?

Response:

The cross-section SEM image is not taken, because no supporting instruments can be accessed.

8. The paragraph under the figure 2 may be briefed.

Response:

OK. It's done.

9. Page no, 7 line no 19-24. May not generalise. The strength of the fibre is mainly due to the cellulose, not the lignin content.

Response:

We thank for this smart correction. We have revised that substance based on the credible and reputable references. We have tried to re-arrange that explanation.

10. Explain why different magnification (450 X) has been chosen for coir fibre composite in the SEM analysis?

Response:

OK. Thank. We have explained it in the revised manuscript. Actually, we have observed the specimen surfaces in the various magnifications (400x-3000x). In the experiments, we captured some images with different qualities of images depend on each ingredient, especially fiber type. We tried to exhibit the clearer image in the revised manuscript.

11. Merge two figure of 5 and rename it appropriately

Response:

OK. It's done. The file of merged images is completed.

12. What is the tensile strength of the each fibre composites based on their volume fraction from 2-10 %?

Response:

Actually, we want to complete this data, but unfortunately the lockdown situation is expanding, and the laboratory accesses have been closed for the whole island for uncertain period. Expectedly, this attempt is already enough to fulfill the requirement of minimum dataset in reporting brake composite research.

13. In the table 1, use decimal point, instead of coma

Response:

OK. It's done. Thanks.

14. In the figure 7, clearly mention, which images corresponds to coconut, arecanut and PALF fibre composite.

Response:

OK. It's done. Thanks. The revised manuscript it is already revised, and revised image file is attached.

15. SEM explanation seems to be blurry.

Response:

OK. It's done. Thanks. The text is already corrected.

16. Page no 9, line no 19 describes about the fibre diameter, however, the figure refers to SEM images of the composite.

Response:

OK. It's done. Thanks. The images are replaced by the clearer image and completed by the information of fiber measurement.

17. It is observed that the authors lack the knowledge on the fibre morphology. The lignin is not only present in the fibre surface, but also throughout the fibre. The poor adhesion properties of the fibre and resin are not because of the lignin content of the fibre.

Response:

We thank for smart correction, and we have studied more relevant references and used it to explain this adhesion phenomena.

18. What is the importance of EDX in the study? The EDX explanation seems to be wrong.

Response:

In the starting framework, this EDX is used to support the explanation about relation between chemical composition and the physical and mechanical properties of brake composites and this work is based the relevant previously research reports. Therefore, we have tried to revise and make correction for the explanation about EDX data.

19. In the table 1, the Nitrogen content is showing around 21-23% for Arecanut and PALF composites. Can you explain how the huge amount of nitrogen came in the composites and why it is absent in the coconut composite? The results do not seem to be accurate.

Response:

OK. Thanks. We have explained this phenomenon in the revised manuscript. We have found some references which available to describe why Nitrogen elements were present in the Arecanut and PALF

composites and why it is absent in the coconut composite. We tried to relate with the presence of other elements (ex. Si, Cl, Sr, etc.) and other references. In the fact, the data is valid.

20. The oxygen content in EDX analysis is mainly because of the presence of cellulose, and lignin not from oxide formation due to mixing.

Response:

OK. Thanks. We have revised it dan added detail explanation by more references.

21. A detailed characterisation study is required for the manuscript

Response:

Thank you. It is already done.

22. Add subheading for the result and discussion.

Response:

Add subheading for the result and discussion.

23. The main issue with natural fiber is water diffusion. This could be avoided by ZnO coating. Please see the paper of Prof, Christos Tsamis et al in Nano-Structures & Nano-Objects. How about the interfacial issues, please read the nice papers of M. Jasim Uddin et al, ,Prof, Suryasarathi Bose(IISc, bangalore) and Prof. Saratchandra Babu Mukkamala in Nano-Structures & Nano-Objects. I want a nice discussion on interface.

Response:

We are very appreciating the progressive and futuristic comments and we admire the expertise for this review. We thank for the valuable information about the furthermore reading materials, we have read them and we have been explored more references about this interfacial issue. Some substances we have already cited in the revised. Please check in the purple colored references.

24. How do you control the orientation process?

Response:

We have controlled this fiber orientations since the brake composite research in 2010 manually. We placed the fibers one by one according the fiber patterns. For this manuscript, we have used masks as tools in adjusting the fiber orientations. The masks were designed based on the three fiber orientations.

From: ryszard.kozlowski@escorena.net

To: smadnasri@yahoo.com

CC:

Subject: Journal of Natural Fibers - Decision on Manuscript ID WJNF-2020-0241

Body: 22-Aug-2020

Dear Dr Madnasri:

Your manuscript entitled "The Effects of Natural Fiber Orientations on The Mechanical Properties of Brake Composites", which you submitted to Journal of Natural Fibers, has been reviewed. The reviewer comments are included at the bottom of this letter.

The reviewer(s) would like to see some revisions made to your manuscript before publication. Therefore, I invite you to respond to the reviewer(s)' comments and revise your manuscript.

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To start the revision, please click on the link below:

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This will direct you to the first page of your revised manuscript. Please enter your responses to the comments made by the reviewer(s) in the space provided. You can use this space to document any changes you made to the original manuscript. **Please be as specific as possible in your response to the reviewer(s).**

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Once again, thank you for submitting your manuscript to Journal of Natural Fibers and I look forward to receiving your revision.

Sincerely,
Professor Kozłowski
Editor in Chief, Journal of Natural Fibers
ryszard.kozłowski@escorena.net, rkscience.biuro@gmail.com

Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Author

The manuscript describes the preparation of composites using PALF, coconut and areca ecanut fibre.

My comments are as below.

accept after a major revision

1. Revise the abstract. Make it in a systematic and sequential manner
2. In the introduction, the literature pertaining to the composition of PALF seems to be wrong. Please refer to the below paper.
Hazarika, D., Gogoi, N., Jose, S., Das, R., & Basu, G. (2017). Exploration of future prospects of Indian pineapple leaf, an agro waste for textile application. Journal of Cleaner Production, 141, 580-586.
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Also see the nice papers of OJ Shesan et al. - 2019 , L Pupure et al. 2020 and M Milosevic - 2020 -
3. Towards the end of the introduction, a road map for the research can be incorporated. Also the novelty of the works should be mentioned precisely.
4. The physic- mechanical properties of the selected fibres like fineness, length, bundle strength, elongation, moisture content, etc should be mentioned in the manuscript
5. Mention the name of all the chemical suppliers and the purity of chemicals used for the study.
6. In materials and methods, provide separate sub headings for fibre extraction, composite preparation and testing
7. Do you have the SEM images of cross section of the composite?
8. The paragraph under the figure 2 may be briefed.
9. Page no ,7 line no 19-24 . May not generalise. The strength of the fibre is mainly due to the cellulose, not the lignin content.
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11. Merge two figure of 5 and rename it appropriately
12. What is the tensile strength of the each fibre composites based on their volume fraction from 2-10 %

13. In the table 1, use decimal point, instead of coma
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20. The oxygen content in EDX analysis is mainly because of the presence of cellulose, and lignin not from oxide formation due to mixing.
21. [A detailed characterisation study is required for the manuscript](#)
22. [Add subheading for the result and discussion.](#)
23. [The main issue with natural fiber is water diffusion. This could be avoided by ZnO coating. Please see the paper of Prof, Christos Tsamis et al in Nano-Structures & Nano-Objects. How about the interfacial issues, please read the nice papers of M. Jasim Uddin et al, ,Prof, Suryasarathi Bose\(IISc, bangalore\) and Prof. Saratchandra Babu Mukkamala in Nano-Structures & Nano-Objects. I want a nice discussion on interface](#)
24. [How do you control the orientation process? The paper seems to be not well written and by a careful revision this can add new knowledge to the composite science. The results should be discussed in detail](#)

Reviewer: 2

Comments to the Author

The paper is very poor. No new. I reject it.

DAFTAR ARTIKEL YANG DIREKOMENDASI DIBACA

- 1) Facile and cost-efficient development of PMMA-based **nanocomposites** with custom-made hydrothermally-synthesized ZnO nanofillers
- 2) Enhancing wood resistance to humidity with nanostructured **ZnO coatings**
- 3) Selective Segregation and Crystallization Induced Organization of Carbon Nanotube Network in **Polymer Nanocomposites**
- 4) Nano-Infiltration for Enhancing Microwave Attenuation in Polystyrene-**Nanoparticle Composites**
- 5) Thermoplastic **polymer composites** for EMI shielding applications
- 6) Lightweight **Epoxy-Based Composites** for EMI Shielding Applications
- 7) Multi-layered stack consisting of PVDF nanocomposites with flow-induced oriented MWCNT structure can suppress electromagnetic radiation
- 8) **Magnetic Alloy-MWNT Heterostructure as Efficient Electromagnetic Wave Suppressors in Soft Nanocomposites**
- 9) Fiber reinforced **polymeric composites**
- 10) Hydrogen Storage Capacity in Ni/Pd@f-MWCNTs Decorated Graphene Oxide/Cu-BTC Composites at Room Temperatures: A Sustainable Cleaner Energy Production.