**COVER LETTER**

*[Henry F.Aritonang] [May 22nd 2024]*

*[Sam Ratulangi University, Manado]*

Dear Editor of the Indonesian Journal of Chemistry,

We wish to submit an original research article entitled “Synthesis and Characterization of GO-Fe3O4 Nanocomposite based on Coconut Shell and Iron Sand as an Adsorbent for Rhodamine B” for consideration by the Indonesian Journal of Chemistry. We confirm that the written manuscript is original, and no part has been published before, nor is any part currently under consideration for publication elsewhere.

*[This research was conducted to synthesize GO-Fe3O4from biomass in adsorbing rhodamine b, in this study we succeeded in synthesizing GO-Fe3O4 which is able to adsorb rhodamine b, where the raw materials used are coconut shells and iron sand. This adsorbent is useful in adsorbing various wastes, one of which is textile waste in the form of rhodamine b which is widely used in various textile industry needs.. Charaterization of GO-Fe3O4 shows functional groups such as hydroxyl, carboxyl, carbonyl and Fe-O. The adsorbent morphology analysis shows a smooth and porous surface with EDS C, O, and Fe analysis of 55.51%, 10.40% and 34.09% respectively, with an average particle size of 15.4 nm, where diffraction patterns were detected the formation of magnetite. Optimum adsorption of Rhodamine B occurs at pH, contact time of 120 minutes, a concentration of 6 mg/L with a maximum adsorption capacity of* 0.3396 *mg/g. The content of this manuscript is in line with the scope of the International Journal of Chemistry]*

Please find below a list of potential reviewers for this work.

We have no conflicts of interest to disclose.

Please address all correspondence concerning this manuscript to me at the E-mail address of [*alexandercore335@gmail.com].*

Your consideration is very much appreciated. We are looking forward to your favorable reply.

Sincerely,

*[Henry F. Aritonang]*

**List of Potential Reviewers**

**Note:**

1. Reviewers should not be from the same institution as authors.

2. Reviewers have yet to have research collaboration with authors in the last three years.

3. It is suggested that potential reviewers come from different nationalities.

4. The editors will make the final decision of the reviewers.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | **Name** | **:** | Dr. Winifred Uduak Anake |
|  | Affiliation | : | Department of Chemistry, College of Science and Technology, Covenant University, Nigeria |
|  | Address | : | Nigeria |
|  | E-mail | : | winifred.anake@covenantuniversity.edu.ng |
|  | Reviewing Interest / Expertise | : | [Environment](https://www.researchgate.net/topic/Environment?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Analytical Chemistry Instrumentation](https://www.researchgate.net/topic/Analytical-Chemistry-Instrumentation)[Water Quality](https://www.researchgate.net/topic/Water-Quality)[Environmental Impact Assessment](https://www.researchgate.net/topic/Environmental-Impact-Assessment?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Environmental Analytical Chemistry](https://www.researchgate.net/topic/Environmental-Analytical-Chemistry)[Soil Analysis](https://www.researchgate.net/topic/Soil-Analysis)[Environmental Analysis](https://www.researchgate.net/topic/Environmental-Analysis?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Water and Wastewater Treatment](https://www.researchgate.net/topic/Water-and-Wastewater-Treatment)[Climate Change](https://www.researchgate.net/topic/Climate-Change)[Environmental Management](https://www.researchgate.net/topic/Environmental-Management?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ) |

|  |  |  |  |
| --- | --- | --- | --- |
| 2. | **Name** | **:** | Prof. Nuryono Nuryono |
|  | Affiliation | : | Department of Chemistry, Faculty of Mathematics and Natural Sciences, Universitas Gadjah Mada, Indonesia |
|  | Address | : | Indonesia |
|  | E-mail | : | nuryono\_mipa@ugm.ac.id |
|  | Reviewing Interest / Expertise | : | [Adsorption](https://www.researchgate.net/topic/Adsorption?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Analytical Chemistry](https://www.researchgate.net/topic/Analytical-Chemistry?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Polymeric Materials](https://www.researchgate.net/topic/Polymeric-Materials)[Chromatography](https://www.researchgate.net/topic/Chromatography?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Polymers](https://www.researchgate.net/topic/Polymers?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Materials Chemistry](https://www.researchgate.net/topic/Materials-Chemistry)[Inorganic Chemistry](https://www.researchgate.net/topic/Inorganic-Chemistry?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Polymer Chemistry](https://www.researchgate.net/topic/Polymer-Chemistry?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Metals](https://www.researchgate.net/topic/Metals?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)[Material Characteristics](https://www.researchgate.net/topic/Material-Characteristics?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ) |

|  |  |  |  |
| --- | --- | --- | --- |
| 3. | **Name** | **:** | Stephane Nauville, PhD |
|  | Affiliation | : | Principal Investigator at TCE |
|  | Address | : | France |
|  | E-mail | : | Steph.neuville709@orange.fr |
|  | Reviewing Interest / Expertise | : | DiamondThin FilmsCoating TechnologySurface CoatingChemical Vapor DepositionMaterial CharacterizationNanomaterialsSputteringThin Film TechnologySurface AnalysisSurface ScienceSurface CharacterizationCoatingSurface ModificationXPSMaterial CharacteristicsSurface FunctionalizationSurface PhysicsPvd CoatingVacuum CoatingPlasma TreatmentDiamond-like Carbon (DLC)Surface EngineeringNanoelectronicsThin Film FabricationMagnetron SputteringThin Film ProcessingMaterials CharacterizationRF SputteringAnnealing |

|  |  |  |  |
| --- | --- | --- | --- |
| 4. | **Name** | **:** | Assoc. Prof. Dr. Derya Davarci |
|  | Affiliation | : | Gebze Technical University |
|  | Address | : | Turkey |
|  | E-mail | : | ddavarci@gtu.edu.tr |
|  | Reviewing Interest / Expertise | : | Inorganic ChemistryCoordination PolymersSynthesisCoordination ChemistryStructural AnalysisCrystal StructurePhosphazenesLiquid Crystals |