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| Book Name: | [**Chemical and Materials Sciences: Research Findings**](https://www.bookpi.org/bookstore/product/chemical-and-materials-sciences-research-findings-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6074** |
| Title of the Manuscript:  | **DOPING OF POLY(3,4-ETHYLENEDIOXYTHIOPHENE) (PEDOT) BY FeCl3 AND CSA** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**CHEMISTRY & CHEMICAL TECHNOLOGY, 10(4): 395-400, 2016.**

**DOI:** [**https://doi.org/10.23939/chcht10.04.395**](https://doi.org/10.23939/chcht10.04.395)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript presents a comprehensive study on the synthesis, doping, and characterization of poly(3,4-ethylenedioxythiophene) (PEDOT), a highly promising conducting polymer. By investigating the effects of FeCl₃ and camphor sulfonic acid (CSA) as dopants, the work provides valuable insights into the structural, electrical, and thermal behavior of PEDOT under different doping conditions. The observed changes in conductivity, crystallinity, and thermal stability contribute to a deeper understanding of dopant-polymer interactions, which is essential for optimizing PEDOT-based materials for applications in electronics, energy devices, and sensors. Furthermore, the development and validation of an indigenous thermal conductivity measuring device demonstrate practical innovation that can benefit resource-constrained laboratories.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **The current title of the article is: "Doping of Poly(3,4-ethylenedioxythiophene) (PEDOT) by FeCl₃ and CSA" It clearly identifies the main subject.** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract provides a reasonable overview, but it could be significantly improved in terms of clarity, completeness, and emphasis on key findings.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **The manuscript is scientifically correct, with well-documented methods, logical interpretations, and results consistent with existing literature. Minor improvements (e.g., additional spectroscopy for doping mechanisms) could further strengthen it, but the core findings are valid and contribute to conductive polymer research.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **The references are sufficient**  |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The language used in the manuscript is generally clear and understandable, making the scientific content accessible.**  |  |
| Optional/General comments | **The manuscript is well-structured and scientifically sound.** |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  |  |  |

**Reviewer details:**

**Errili Miloud, Mohammed V University, Morocco**