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Editor-in-Chief

Professor Branislav Ž. Nikolić

December 25th, 2019

Dear Prof. Nikolic,

Please find enclosed the manuscript entitled „Self assembly of carbon based nanoparticles films by Langmuir-Blodgett method“ by N. Stanković, B. Todorović Marković, and Z. Marković.

We consider that this paper is suitable for publication in *Journal of Serbian Chemical Society.* We are very pleased that you accepted to evaluate our review manuscipt for publication.

Review consists of the following sections:

ABSTRACT

1.INTRODUCTION

1.1.Langmuir-Blodgett method for thin films deposition-procedure and properties

1.2. Hydrophobic carbon based nanoparticles for LB thin films deposition

2. LB DEPOSITION OF NANOPARTICLES THIN FILMS

2.1. LB Deposition of Fullerenes

2.2. LB Deposition of Carbon Nanotubes

2.3. LB Deposition of Graphene

2.4. LB Deposition of Carbon Quantum Dots

3. CONCLUSIONS

In the introduction we describe the process of Langmuir Blodgett deposition, define carbon nanomaterials, describe their general properties with emphasis on the hydrophobic nature, describe fullerenes, carbon nanotubes, graphene and carbon quantum dots in more detail.

In the second part devoted to LB deposition of fullerenes we present results on the research since 1993 till today. The third part devoted to carbon nanotubes covers period from the first paper on LB deposition till present days. Fourth and fifth parts devoted to graphene and carbon dots provide description on LB deposition of these materials in the last decade. In the conclusion we define major advantages and disadvantages of this method for thin film deposition of carbon nanoparticles as well as their possible applications.

Size of text is around 13000 words. We have used 9 figures. In the reference list we have cited 227 papers about this subject published in the last three decades.

To our knowledge based on search using SCOPUS and Web of Science databases, such comprehensive review on this topic has not been published yet.

This paper has not been published previously by any of the authors and/or is not under consideration for publication in another journal at the time of submission.

A list of possible referees is given below:

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Best Regards,

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