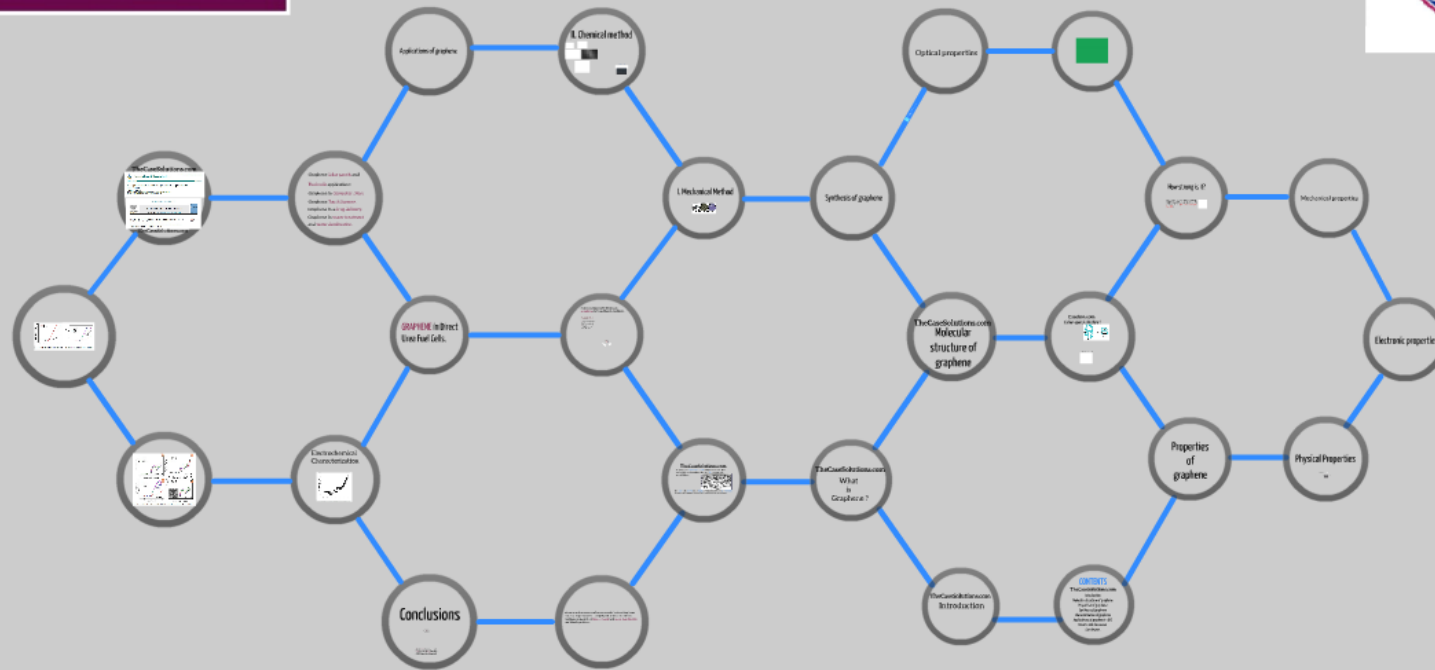


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# THANK YOU FOR LISTENING .!

Feel free to ask questions :)



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**Nanomedicine & Nanotechnology**

Paulchamy and Jaya, J Nanomed Nanotechnol 2015, 6:1  
<http://dx.doi.org/10.4172/2157-7439.1000253>

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## A Simple Approach to Stepwise Synthesis of Graphene Oxide Nanomaterial

**Paulchamy B<sup>1\*</sup> and Jaya J<sup>2</sup>**

<sup>1</sup>Professor and Head, Department of ECE, Hindusthan Institute of Technology, Coimbatore, India

<sup>2</sup>Principal, Akshaya College of Engineering and Technology, Coimbatore, India

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Nickel nanoparticles-decorated graphene as highly effective and stable electrocatalyst for urea electrooxidation

Nasser A.M. Barakat<sup>a,b,\*</sup>, Moaaed Motlak<sup>c</sup>, Zafar Khan Ghouri<sup>a</sup>, Ahmed S. Yasin<sup>a</sup>, Mohamed H. El-Newehy<sup>d,e,\*</sup>, Salem S. Al-Deyab<sup>d</sup>



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Introduction



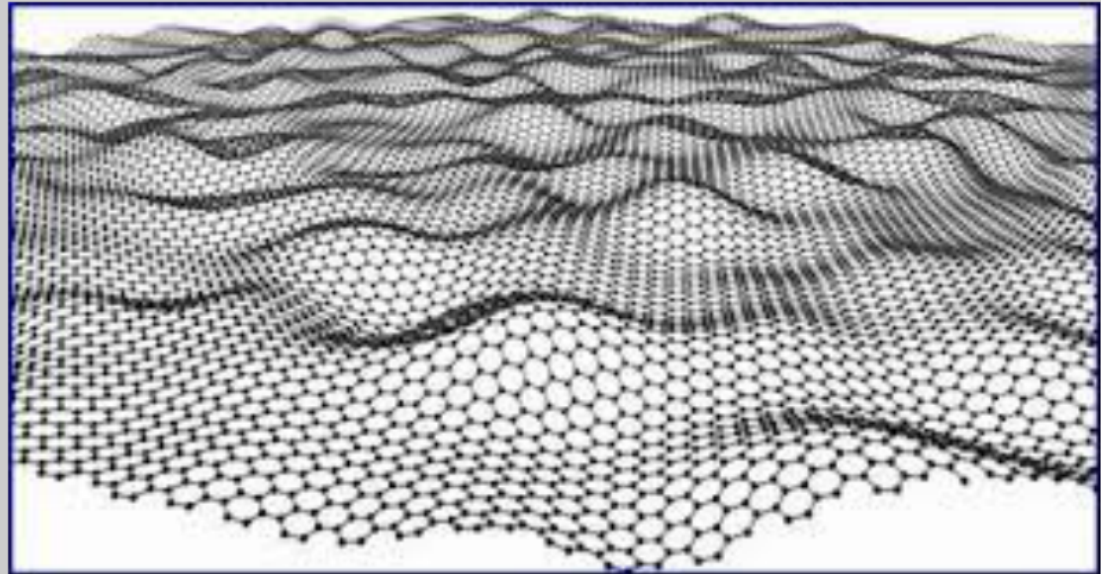
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What  
is  
Graphene ?



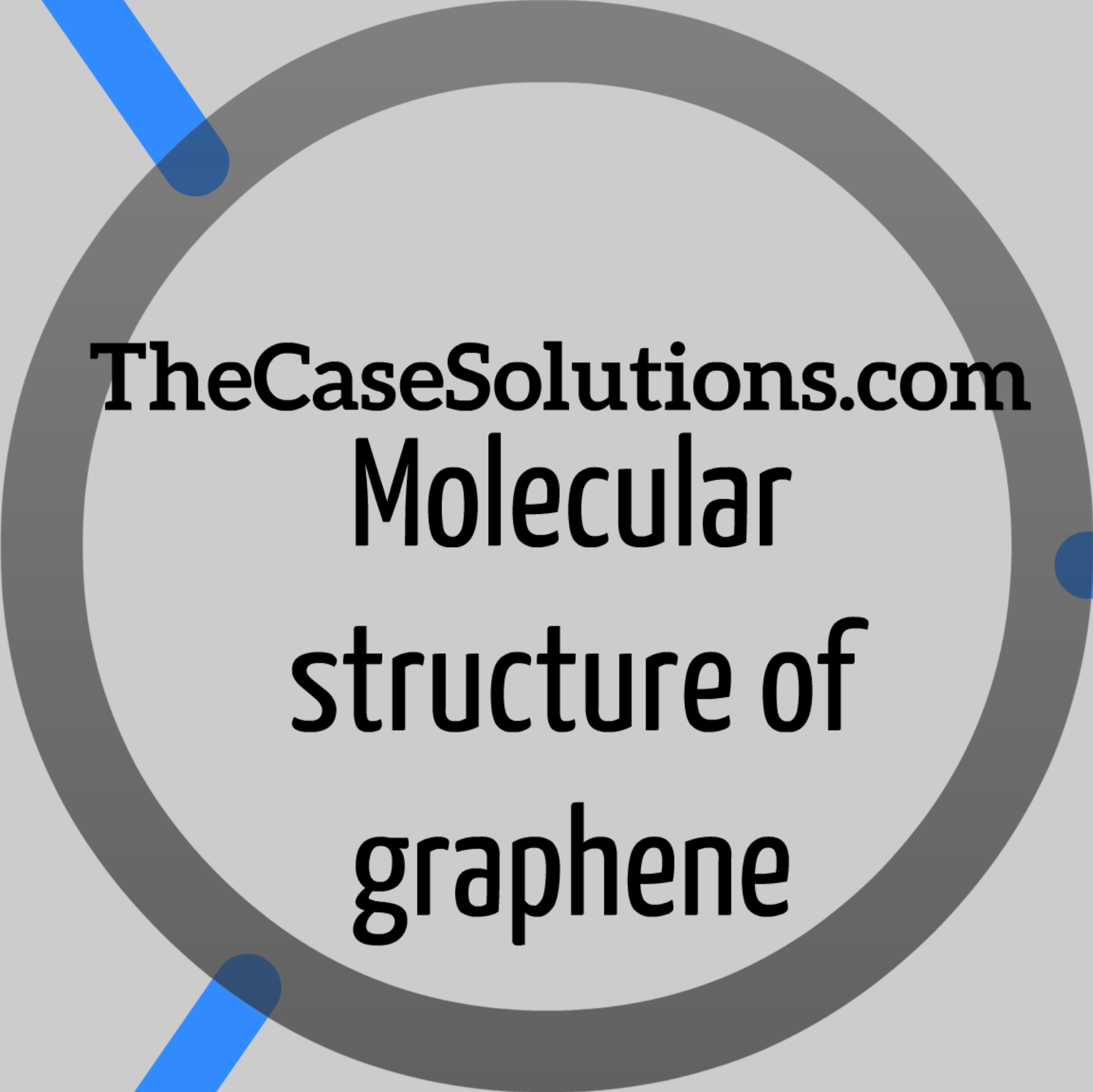
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Graphene is a **one-atom-thick** planar sheet of carbon atoms that are densely packed in a (**2D**) honeycomb crystal lattice.



The **thinnest**, The **lightest**, and the **strongest** material discovered . the **best conductor** of heat at room temperature and also the best conductor of electricity known.





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**Molecular**  
**structure of**  
**graphene**