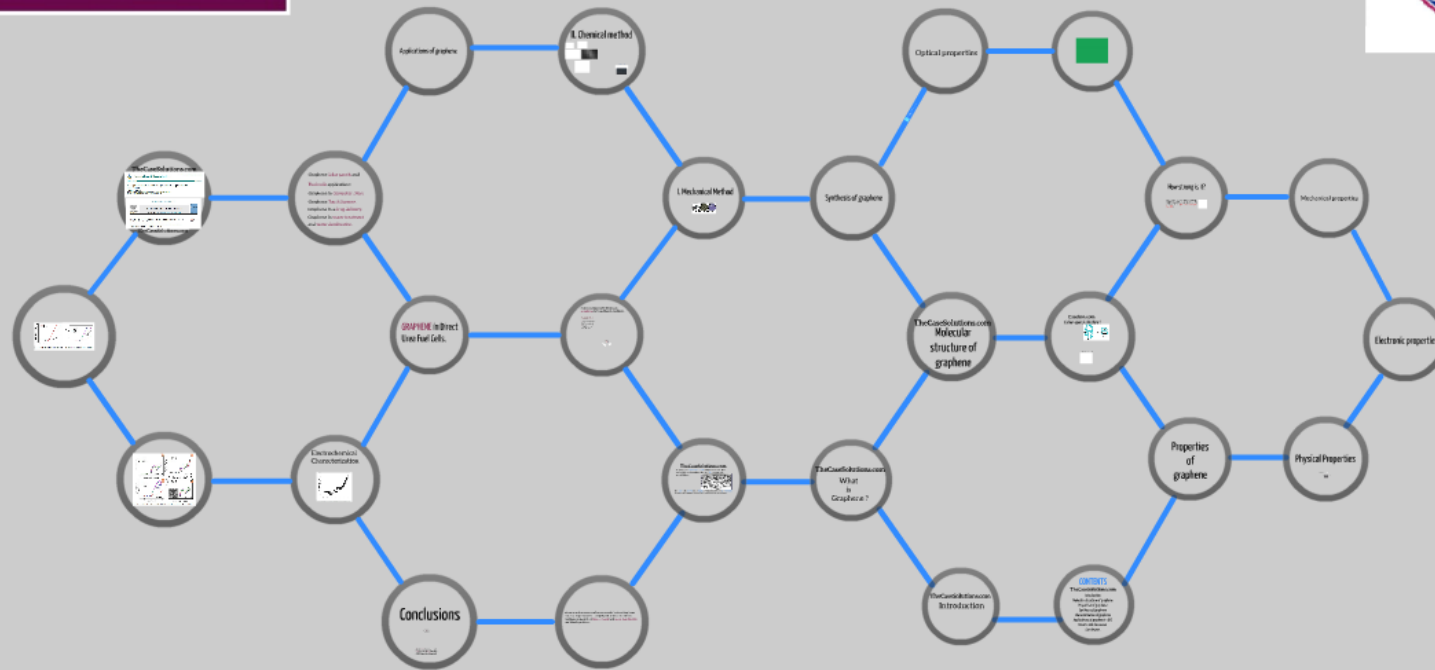




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Nanomedicine & Nanotechnology

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

Research Article

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A Simple Approach to Stepwise Synthesis of Graphene Oxide Nanomaterial

Paulchamy B^{1*} and Jaya J²

¹Professor and Head, Department of ECE, Hindusthan Institute of Technology, Coimbatore, India

²Principal, Akshaya College of Engineering and Technology, Coimbatore, India

Journal of Molecular Catalysis A: Chemical 421 (2016) 83–91



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

Nasser A.M. Barakat^{a,b,*}, Moaaed Motlak^c, Zafar Khan Ghouri^a, Ahmed S. Yasin^a, Mohamed H. El-Newehy^{d,e,*}, Salem S. Al-Deyab^d



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Introduction

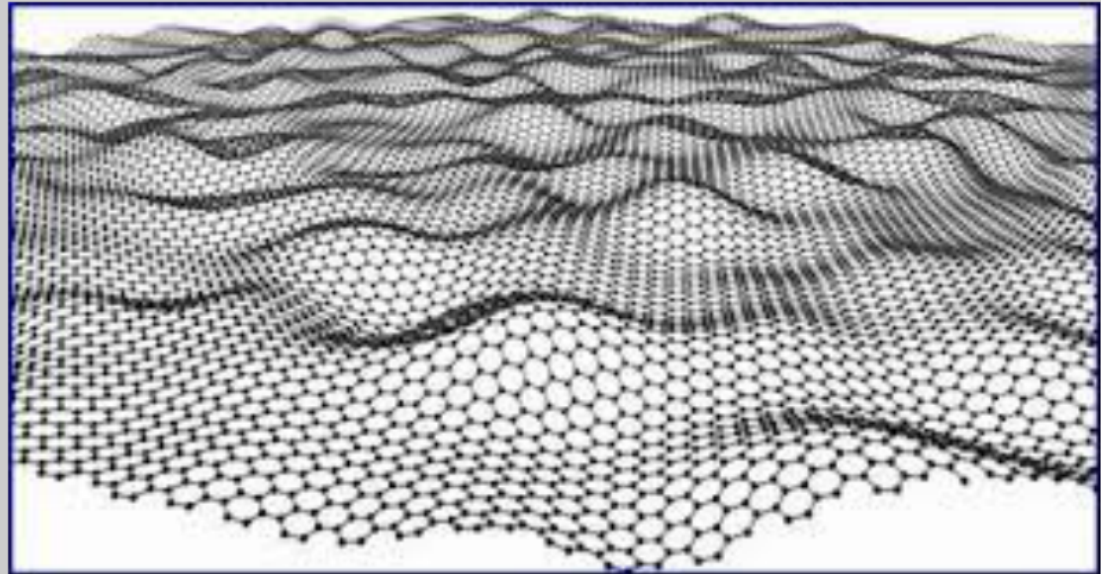


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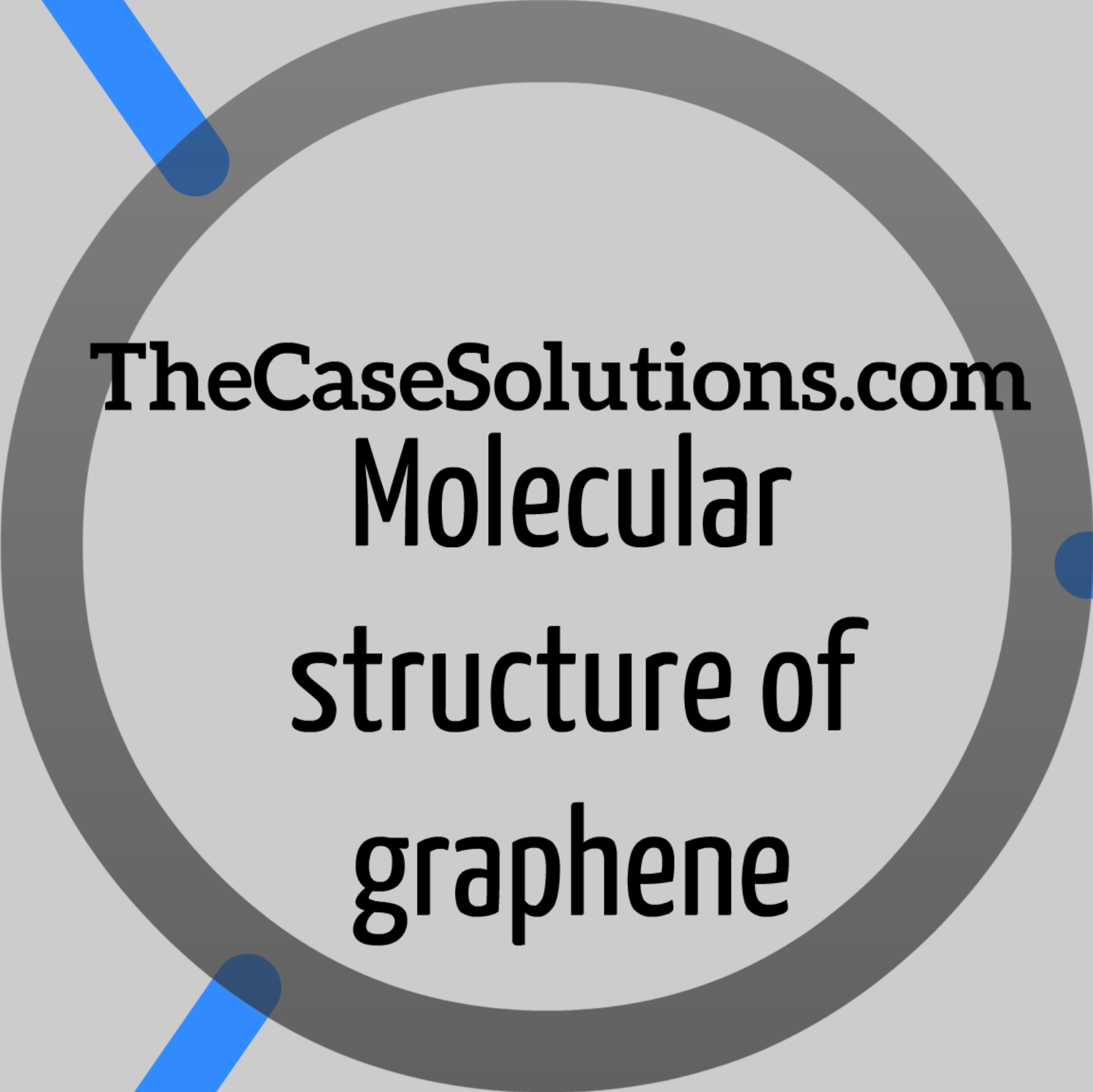
What
is
Graphene ?

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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