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Nanotechnology: A new frontier in energy sector

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Nowadays, there are strong regulatory pressures on the oil and gas companies to move towards the use of Eco-friendly “green” chemicals. For this reason, the main goal of this study is to found out a new Smart Green Nano materials with multifunctional properties as well as environment impact These New Nanotechnology based on renewable resources which is sustainable and available as a local material to replace the existed currently commercial

formulation with these new novel green Nano- renewable resources formulation to apply it in energy sector for oil and gas industry. The efficiency of the new Nano- formula with high stability was compared with the commercial sample as a control to investigate and study the following properties corrosion inhibitor, antimicrobial, drilling mud emulsifiers, demulsifier and defoamers

Biography

Moneer Moneer is currently a Doctor specializing in Nano technology and Nanomaterials. He earned his Bachelor of Science degree, with honors, in chemistry (top scholar) and his Master of Science degree in polymer chemistry from Menoufia University in Egypt. He earned his Doctor of Philosophy degree in Nano-Conversion Technologies of Biobased Resources from Menoufia University in 2018. He is the head of the petroleum R&D group at EBC R&D centers and also working in the field of Nanotechnology at Zewail City. He is currently an elected member of (CNPRI) as Talent Young Scientist, the Ministry of Science and Technology china.

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