

# Nanoscale Advances

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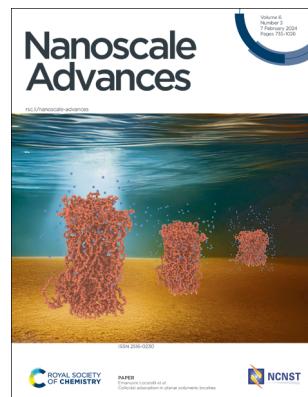
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ISSN 2516-0230 CODEN NAADAI 6(3) 735–1026 (2024)



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See Wendel Wohlleben, Stefania Sabella et al., pp. 798–815. Image reproduced by permission of Stefania Sabella from *Nanoscale Adv.*, 2024, 6, 798.



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Sabu Thomas, Maya Jacob John and Aji P. Mathew



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Navid Rabiee, Sepideh Ahmadi, Kamal Rahimizadeh, Suxiang Chen and Rakesh N. Veedu\*

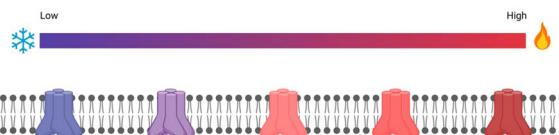
#### Aptasensors for protein detection



Aptamer SELEX

Optical/Electrochemical (bio)sensor development

Nanoparticles@Aptamer conjugation/decoration



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Agenda-setting research in energy science and technology

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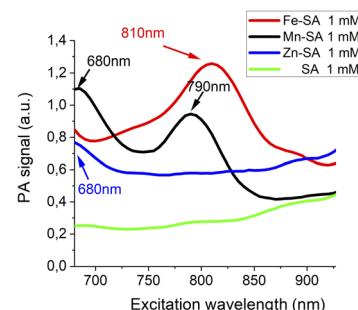
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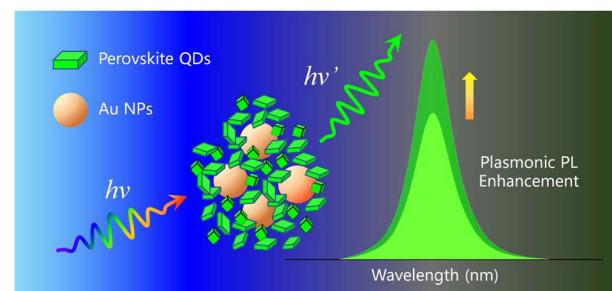
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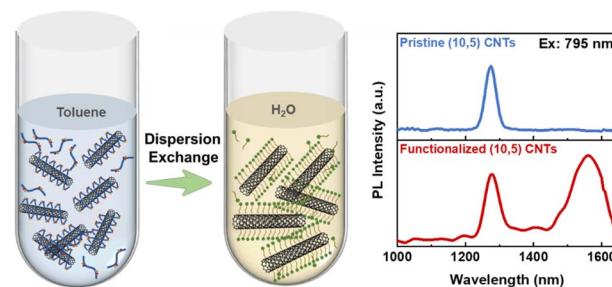
Gautham Kumar, Chien-Chung Lin, Hao-Chung Kuo and Fang-Chung Chen\*



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Yahui Li, Ye Liu, Feng Jin, Leitao Cao, Hehua Jin, Song Qiu\* and Qingwen Li\*

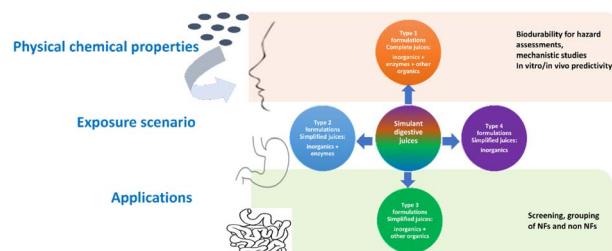


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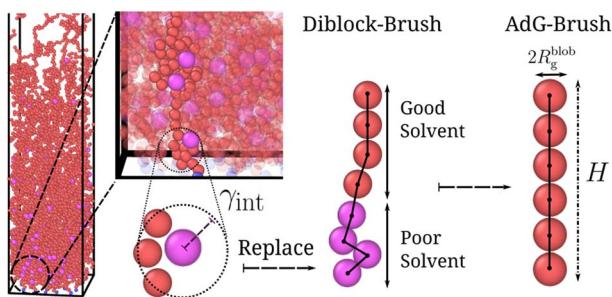
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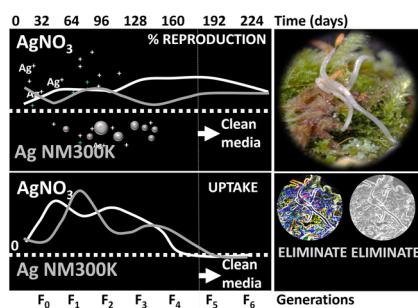
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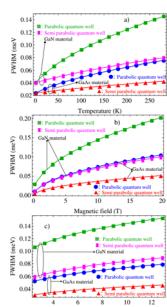
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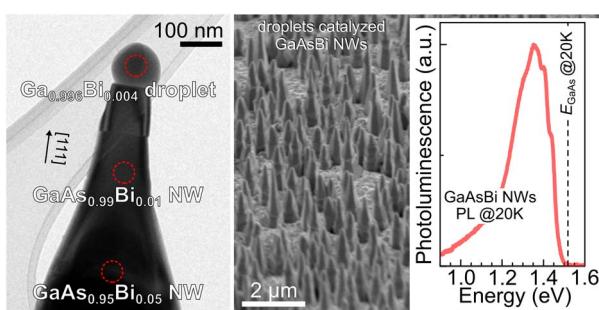
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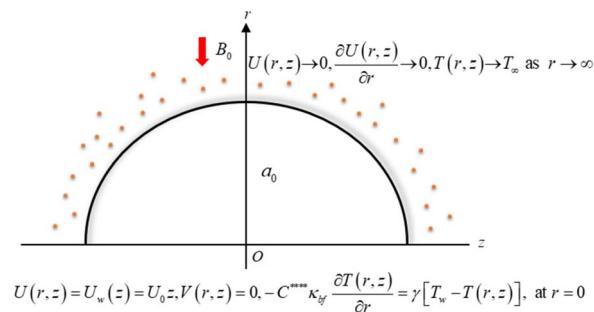


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**Multiscale tribology analysis of MHD hybrid nanofluid flow over a curved stretching surface**

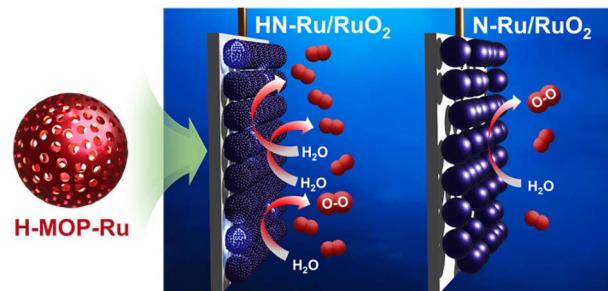
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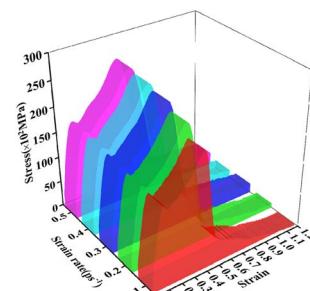
Kyoungil Cho, June Young Jang, Yoon-Joo Ko, Yoon Myung\* and Seung Uk Son\*



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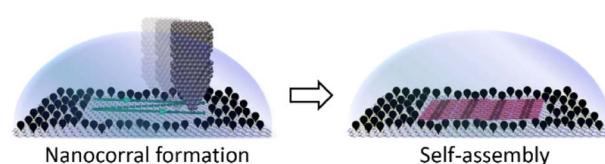
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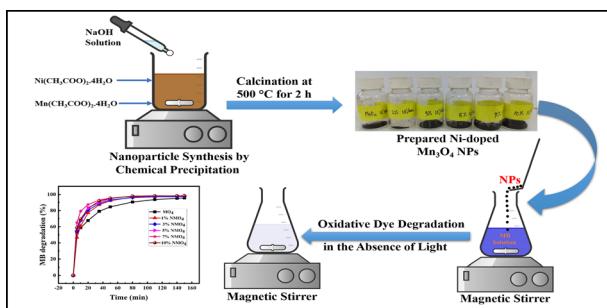
**Chiral induction in substrate-supported self-assembled molecular networks under nanoconfinement conditions**

Zeno Tessari, Tamara Rinkovec and Steven De Feyter\*



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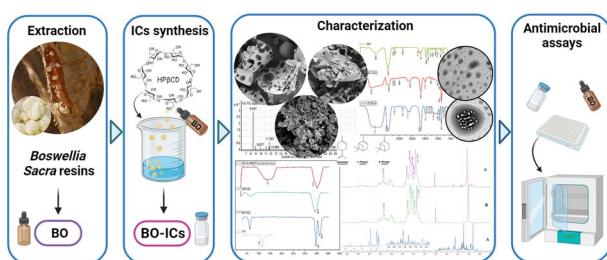
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**Phase tunable nickel doped  $\text{Mn}_3\text{O}_4$  nanoparticle synthesis by chemical precipitation: kinetic study on dye degradation**

Jasim Uddin, Rahim Abdur, Md. Rifat Hossain, Shahin Aziz, Mohammad Shah Jamal,\* Md. Aftab Ali Shaikh\* and Mosharof Hossain\*

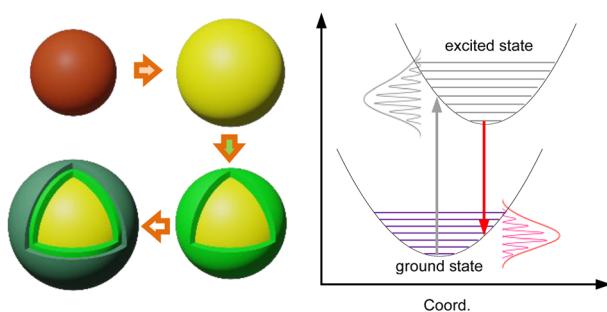
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**Improved antimicrobial activities of *Boswellia sacra* essential oils nanoencapsulated into hydroxypropyl-beta-cyclodextrins**

Obaydah Abd Alkader Alabrahim, Salim Alwahabi and Hassan Mohamed El-Said Azzazy\*

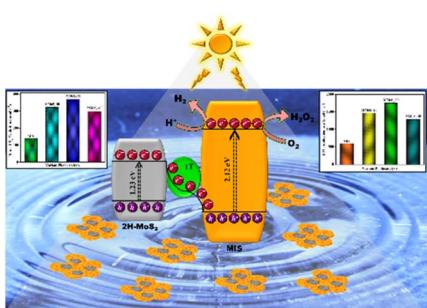
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Seonghyun Jeong, Minji Ko, Sangwon Nam, Jun Hwan Oh, Seung Min Park, Young Rag Do\* and Jae Kyu Song\*

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**Augmented photocatalysis induced by 1T-MoS<sub>2</sub> bridged 2D/2D MgIn<sub>2</sub>S<sub>4</sub>@1T/2H-MoS<sub>2</sub> Z-scheme heterojunction: mechanistic insights into  $\text{H}_2\text{O}_2$  and  $\text{H}_2$  evolution**

Sarmistha Das, Lopamudra Acharya, Lijarani Biswal and Kulamani Parida\*

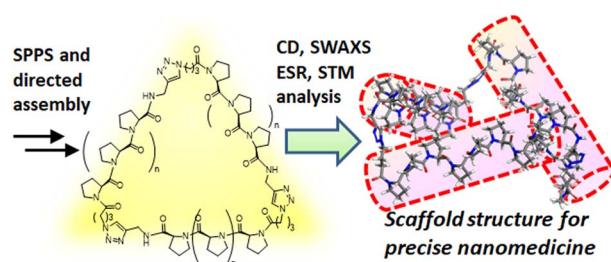


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## Comprehensive characterization of polyproline tri-helix macrocyclic nanoscaffolds for predictive ligand positioning

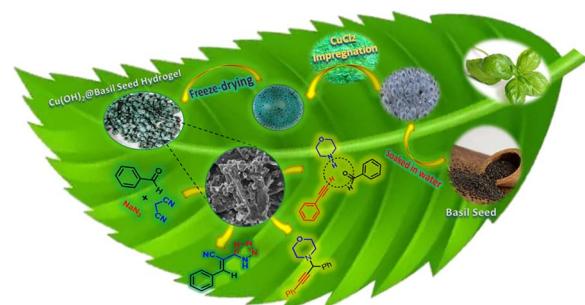
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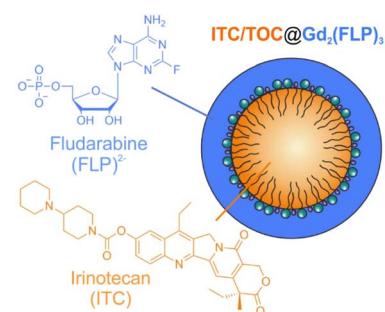
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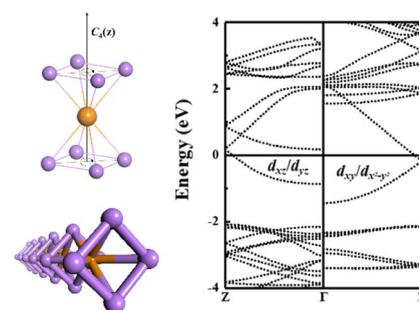
David Rudolph, Myrto Ischyropoulou, Juliana Pfeifer, Joanna Napp,\* Ute Schepers,\* Frauke Alves\* and Claus Feldmann\*



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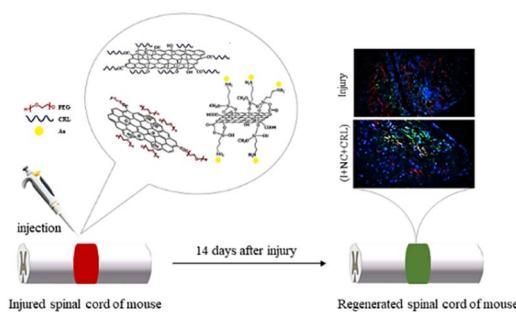
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Yangqi Ji, Haifeng Lv\* and Xiaojun Wu\*



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Ayda Yari-Ikhchi, Mehrdad Mahkam,\* Abbas Ebrahimi-Kalan and Hamid Soltani Zangbar

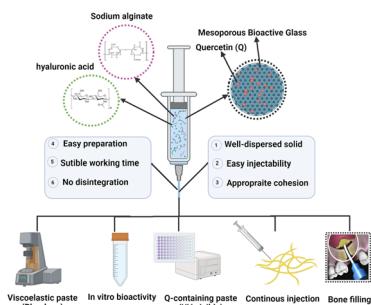
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**Nanodiamond-structured zinc composite coatings with strong bonding and high load-bearing capacity**

Shikha Awasthi,\* Blanca Prior Palomero, Ankur Srivastava,\* S. Selvaraj and Sarvesh Kumar Pandey\*

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**Antioxidant flavonoid-loaded nano-bioactive glass bone paste: *in vitro* apatite formation and flow behavior**

Mehri Sohrabi,\* Saeed Hesaraki, Mostafa Shahrezaei,\* Alireza Shams-Khorasani, Fahimeh Roshanfar, Brigit Glasmacher, Sascha Heinemann, Yi Xu\* and Pooyan Makvandi

## CORRECTION

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**Correction: The emerging role of medical foods and therapeutic potential of medical food-derived exosomes**

Jin-Young Hur, SeonHyung Lee, Woo-Ri Shin, Yang-Hoon Kim\* and Ji-Young Ahn\*

