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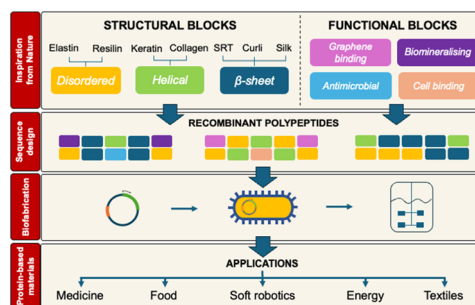
Cover
See Mrigendra Dubey *et al.*,
pp. 1210–1214.
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IIT Indore, India from *Mol. Syst.
Des. Eng.*, 2024, 9, 1210.

REVIEW

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Molecular design of protein-based materials – state of the art, opportunities and challenges at the interface between materials engineering and synthetic biology

Ebony Shire, André A. B. Coimbra, Carlos Barba Ostria, Leonardo Rios-Solis* and Diego López Barreiro*

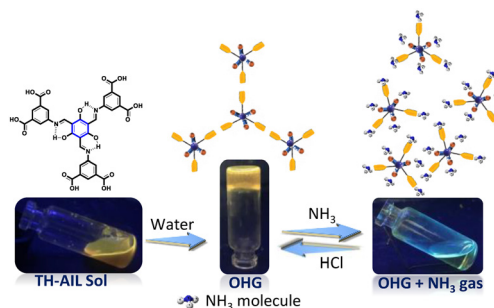


COMMUNICATION

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Dual responsive fluorescence switching of organohydrogel towards base/acid

Manish Kumar Dixit, Moupia Mukherjee, Bharat Kumar Sahu, Abul Kalam and Mrigendra Dubey*





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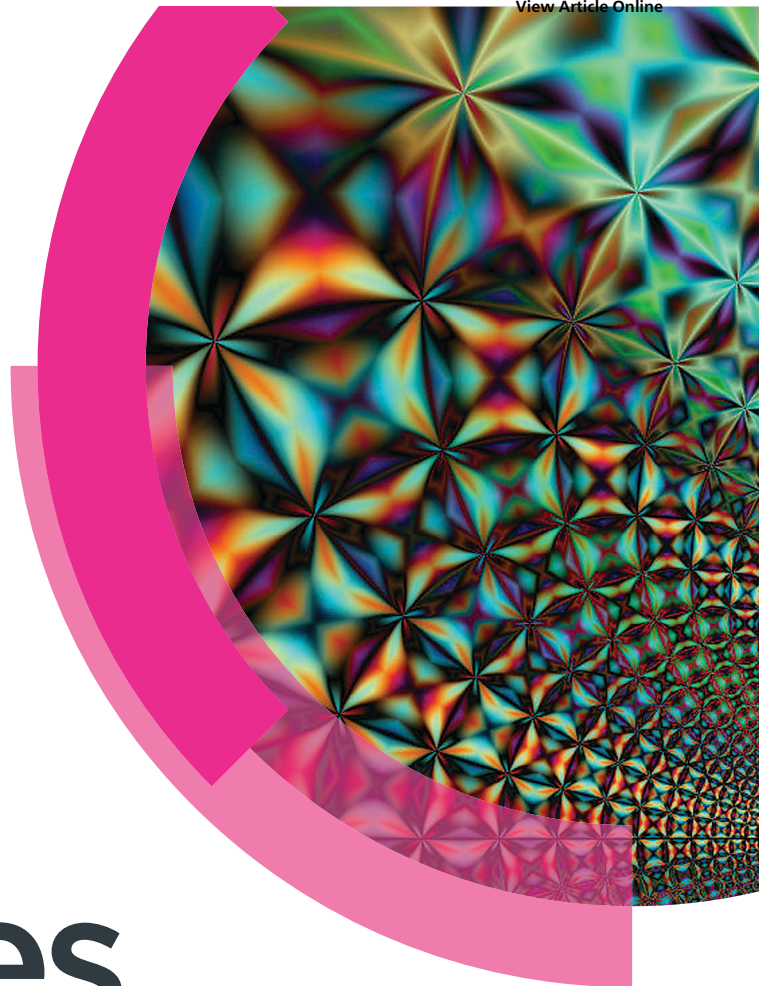


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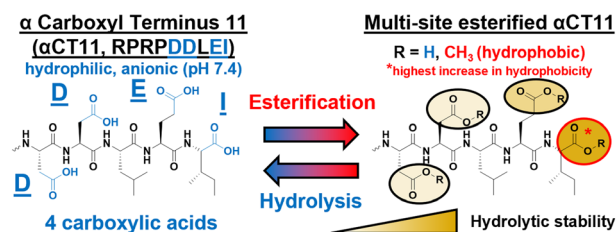
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Multi-site esterification: a tunable, reversible strategy to tailor therapeutic peptides for delivery

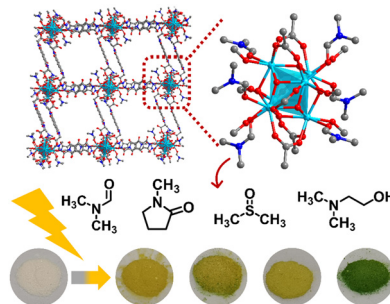
Mark S. Bannon, Jeffrey F. Ellena, Aditi S. Gourishankar, Spencer R. Marsh, Dilza Trevisan-Silva, Nicholas E. Sherman, L. Jane Jourdan, Robert G. Gourdie and Rachel A. Letteri*



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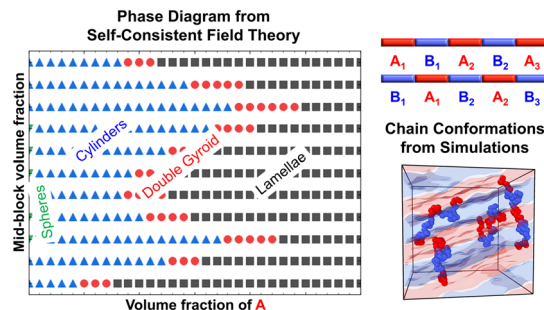
Youcong Li, Jiahao Dong, Yue Zhao, Lei Gao, Yu-Hao Gu and Shuai Yuan*



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Self-consistent field theory and coarse-grained molecular dynamics simulations of pentablock copolymer melt phase behavior

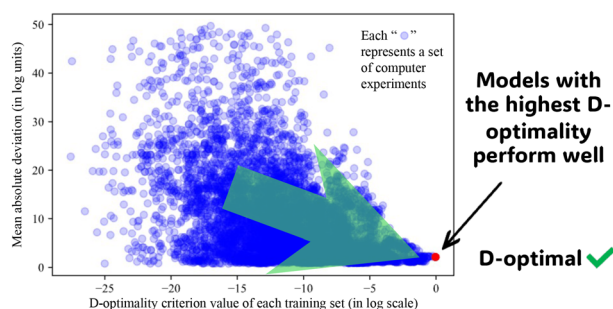
So Jung Park, Tristan Myers, Vinson Liao and Arthi Jayaraman*



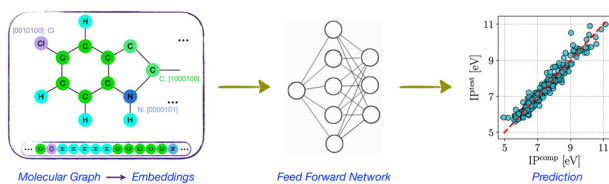
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On the design of optimal computer experiments to model solvent effects on reaction kinetics

Lingfeng Gui, Alan Armstrong, Amparo Galindo, Fareed Bhasha Sayyed, Stanley P. Kolis and Claire S. Adjiman*



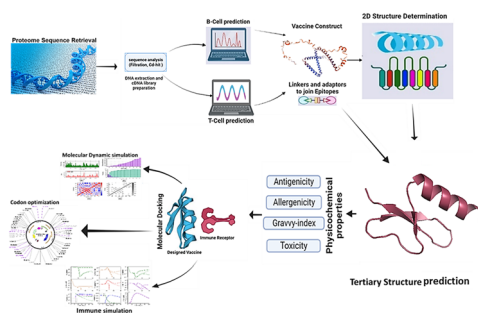
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Graph-based networks for accurate prediction of ground and excited state molecular properties from minimal features

Denish Trivedi, Kalyani Patrikar and Anirban Mondal*

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Promising vaccine models against astrovirus MLB2 using integrated vaccinomics and immunoinformatics approaches

Syed Luqman Ali, Awais Ali, Waseef Ullah, Asifullah Khan,* Elham Mohammed Khatravi, Abdul Malik, Aigul Abduldayeva, Aliya Baiduissenova, Hind Jaber Althagafi and Deema Fallatah

