

# Natural Product Reports

High impact, critical reviews in natural product research and related areas

[rsc.li/npr](https://rsc.li/npr)

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

## IN THIS ISSUE

ISSN 0265-0568 CODEN NPPRRDF 41(1) 1–150 (2024)



### Cover

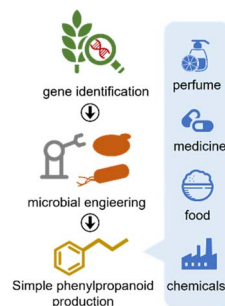
See Ruibing Chen, Lei Zhang *et al.*, pp. 6–24. Image reproduced by permission of Lei Zhang, Ruibing Chen and Zhanpin Zhu from *Nat. Prod. Rep.*, 2024, **41**, 6.

## REVIEWS

6

### Simple phenylpropanoids: recent advances in biological activities, biosynthetic pathways, and microbial production

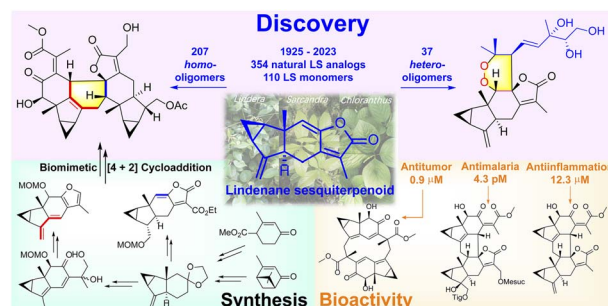
Zhanpin Zhu, Ruibing Chen\* and Lei Zhang\*



25

### Chemistry and bioactivity of lindenane sesquiterpenoids and their oligomers

Jun Luo, Danyang Zhang, Pengfei Tang, Nan Wang, Shuai Zhao and Lingyi Kong\*



# RSC Advances

**At the heart of open access for  
the global chemistry community**

## Editor-in-chief

**Russell J Cox**

Leibniz Universität Hannover, Germany

## We stand for:



**Breadth** We publish work in all areas of chemistry and reach a global readership



**Quality** Research to advance the chemical sciences undergoes rigorous peer review for a trusted, society-run journal



**Affordability** Low APCs, discounts and waivers make publishing open access achievable and sustainable



**Community** Led by active researchers, we publish quality work from scientists at every career stage, and all countries

**Submit your work now**

[rsc.li/rsc-advances](https://rsc.li/rsc-advances)

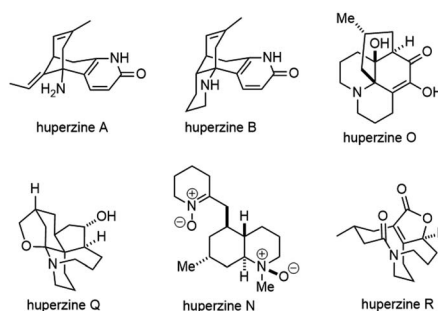
[@RSC\\_Adv](#)

## REVIEWS

59

**Huperzine alkaloids: forty years of total syntheses**

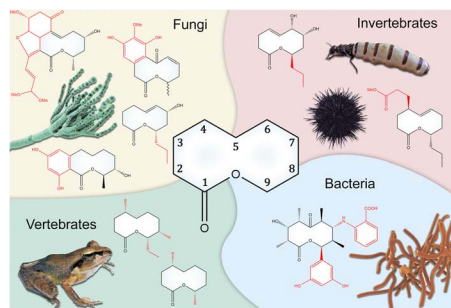
Bichu Cheng,\* Lili Song and Fener Chen\*



85

**Natural ten-membered lactones: sources, structural diversity, biological activity, and intriguing future**

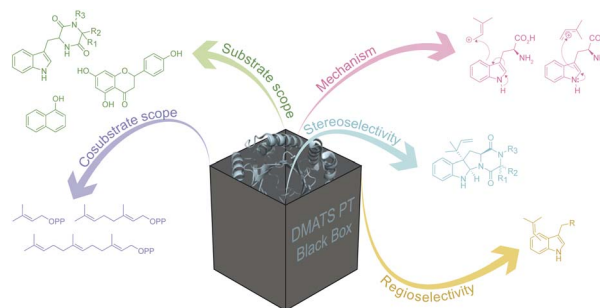
Vsevolod Dubovik, Anna Dalinova and Alexander Berestetskiy\*



113

**Structural insights into the diverse prenylating capabilities of DMATS prenyltransferases**

Evan T. Miller, Oleg V. Tsodikov and Sylvie Garneau-Tsodikova\*



## CORRECTION

148

**Correction: Hot off the Press**

Robert A. Hill and Andrew Sutherland

