

# Natural Product Reports

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

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## IN THIS ISSUE

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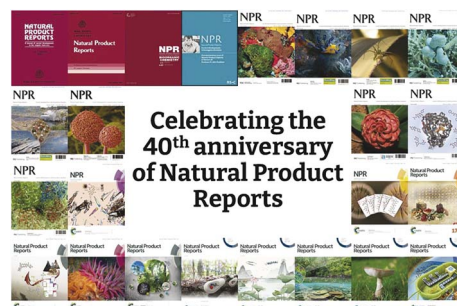
### Cover

See Laura Burchill *et al.*, pp. 681–719. Image reproduced by permission of Laura Burchill from *Nat. Prod. Rep.*, 2025, 42, 681. Background depicting Heart Reef, Great Barrier Reef, Queensland by CoffeewithMilk via Pixabay.

## EDITORIAL

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### 40 Years of *Natural Product Reports*

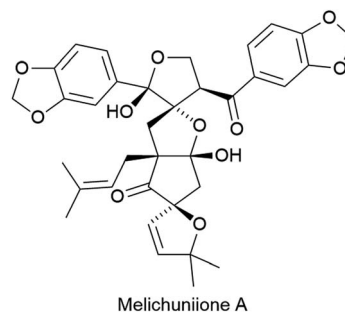


## HOT OFF THE PRESS

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### Hot off the Press

Robert A. Hill and Andrew Sutherland



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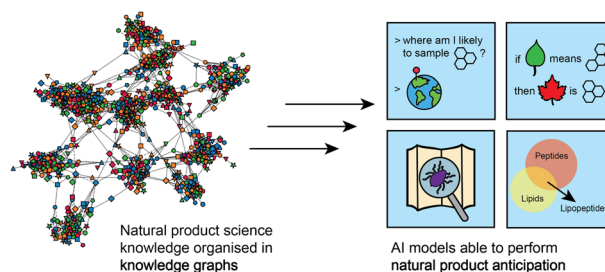
**Fundamental questions  
Elemental answers**

## VIEWPOINT

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## Empowering natural product science with AI: leveraging multimodal data and knowledge graphs

David Meijer, Mehdi A. Beniddir, Connor W. Coley, Yassine M. Mejri, Meltem Öztürk, Justin J. J. van der Hooft,\* Marnix H. Medema\* and Adam Skiredj\*

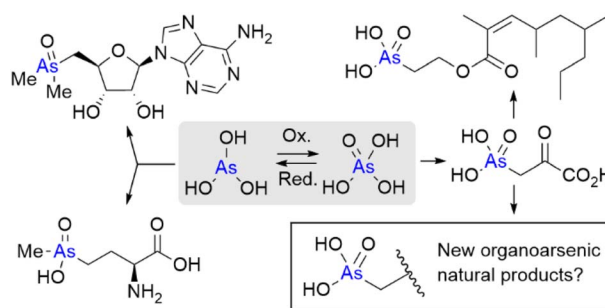


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## Recent advances in the biosynthetic studies of bacterial organoarsenic natural products

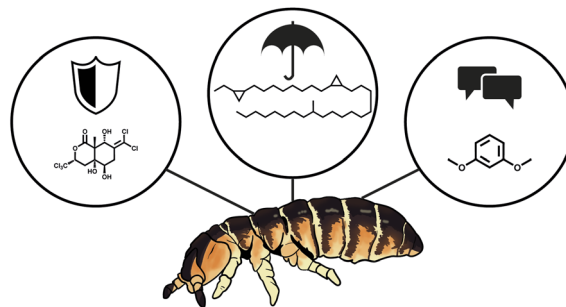
Shotaro Hoshino,\* Hiroyasu Onaka\* and Ikuro Abe\*



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## Small animals with unique chemistry – the natural product chemistry of Collembola

Anton Möllerke\* and Stefan Schulz\*

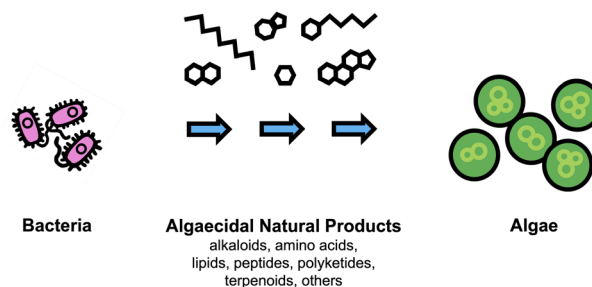


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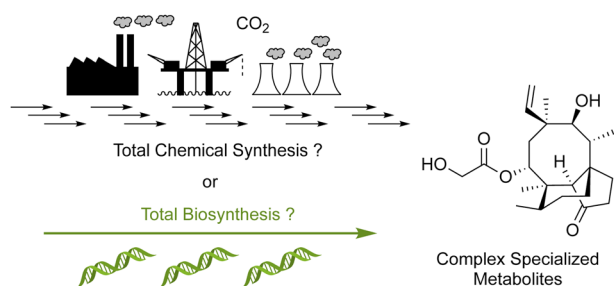
## Warfare under the waves: a review of bacteria-derived algaecidal natural products

Shuxin Yang, Spencer J. Williams, Myles Courtney and Laura Burchill\*



## REVIEWS

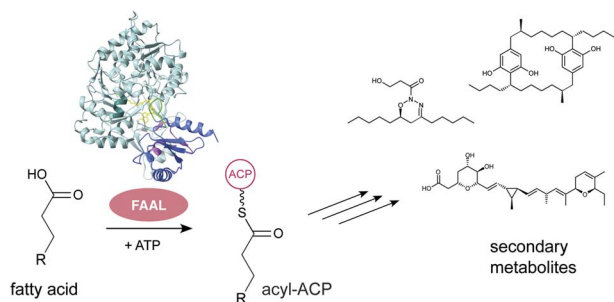
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### Comparing total chemical synthesis and total biosynthesis routes to fungal specialized metabolites

Dong-Song Tian, Xiao Zhang\* and Russell J. Cox\*

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### Fatty acyl-AMP ligases in bacterial natural product biosynthesis

Anne Liong and Pedro N. Leão\*

