

Publications

Fricke J, Schalk F, Kreuzenbeck NB, Seibel E, Hoffmann J, Dittmann G, Conlon BH, Guo H, Wilhelm de Beer Z, Vassão DG, Gleixner G, Poulsen M, Beemelmans C (2023) Adaptations of *Pseudoxylaria* towards a comb-associated lifestyle in fungus-farming termite colonies. *ISME J* 17(5), 733-747.

Seibel E, Um S, Dayras M, Bodawatta KH, de Kruijff M, Jönsson KA, Poulsen M, Kim KH, Beemelmans C (2023) Genome mining for macrolactam-encoding gene clusters allowed for the network-guided isolation of β -amino acid-containing cyclic derivatives and heterologous production of ciromicin A. *Commun Chem* 6(1), 257.

Guo H, Daniel JM, Seibel E, Burkhardt I, Conlon BH, Görls H, Vassão DG, Dickschat JS, Poulsen M, Beemelmans C (2022) Insights into the metabolomic capacity of podaxis and isolation of podaxisterols A-D, ergosterol derivatives carrying nitrosyl cyanide-derived modifications. *J Nat Prod* 85(9), 2159-2167.

Kreuzenbeck NB, Seibel E, Schwitalla JW, Fricke J, Conlon BH, Schmidt S, Hammerbacher A, Köllner TG, Poulsen M, Hoffmeister D, Beemelmans C (2022) Comparative genomic and metabolomic analysis of *Termitomyces* species provides insights into the terpenome of the fungal cultivar and the characteristic odor of the fungus garden of *Macrotermes natalensis* termites. *mSystems* 7(1), e0121421.

Manivannan A, Israni B, Luck K, Götz M, Seibel E, Easson MLAE, Kirsch R, Reichelt M, Stein B, Winter S, Gershenzon J, Vassão DG (2021) Identification of a sulfatase that detoxifies glucosinolates in the phloem-feeding insect *Bemisia tabaci* and prefers indolic glucosinolates. *Front Plant Sci* 12, 671286.

Sinotte VM, Conlon BH, Seibel E, Schwitalla JW, de Beer ZW, Poulsen M, Bos N (2021) Female-biased sex allocation and lack of inbreeding avoidance in *Cubitermes* termites. *Ecol Evol* 11(10), 5598-5605.

Um S, Seibel E, Schalk F, Balluf S, Beemelmans C (2021) Targeted isolation of saalfelduracin B-D from *Amycolatopsis saalfeldensis* using LC-MS/MS-based molecular networking. *J Nat Prod* 84(4), 1002-1011.

Hubert P, Seibel E, Beemelmans C, Campagne JM, de Figueiredo RM (2020) Stereoselective construction of (E,Z)-1,3-dienes and its application in natural product synthesis. *Adv Synth Catal* 362(24), 5532-5575. (Review)

Israni B, Wouters FC, Luck K, Seibel E, Ahn SJ, Paetz C, Reinert M, Vogel H, Erb M, Heckel DG, Gershenzon J, Vassão DG (2020) The Fall Armyworm *Spodoptera frugiperda* Utilizes Specific UDP-Glycosyltransferases to Inactivate Maize Defensive Benzoxazinoids. *Front Physiol* 11, 604754.

* equal contribution #corresponding author

