

Charlotte NIRMA

charlotte.nirma@univ-ubs.fr

University South Brittany - Laboratory of Marine Biotechnology and Chemistry (LBCM EMR 6076, IUEM)

Associate professor CNU Section 31 Analytical chemistry (qualified in section 64 Biochemistry and molecular biology, and section 86 Pharmaceutical sciences)

Education and work experience:

2014: PhD, Natural Substances Chemistry Institute (ICSN), CNRS, MNHN – *Chemical Ecology*

2014-2016: Postdoctoral position at Federal University of Rio de Janeiro (Brazil) – *Medicinal Chemistry*

2016-2017: Lecturer UBS - *Microbiology*

2018-2019: Engineer position at INRAE Rennes – *NMR spectroscopy*

2020-2022: ATER fellowship at UBO, LEMAR-IUEM – *Biochemistry, chemotaxonomy*

2022-2023: Project coordinator (Marine citizen science)

Since sept. 2024: Associate professor UBS, LBCM – *Analytical chemistry (molecules of bacterial origin)*

Research activities and skills

- Natural products chemistry
- Chemical ecology
- Biomolecules structural elucidation (1D & 2D NMR, HRMS, MS/MS)
- Analytical methodology (chromatographic techniques)
- Antimicrobial compounds

Teaching activities:

Biochemistry, spectral analysis, characterization strategies, natural products chemistry

List of publications :

11 articles in international journals (5 most relevant):

Kergosien N., Helias M., Le Grand F., Cérantola S., Simon G., Nirma C., Thibaut T., Berline L., Changeux T., Blanfuné A., Connan S., Stiger-Pouvreau V. **2024**. Morpho- and Chemotyping of Holopelagic Sargassum Species Causing Massive Strandings in the Caribbean Region. *Phycology*, 4, 340-362.

Nirma C., Rangel G.T., Alves M.A., Casanova L.M., Moreira M.M., Rodrigues L.M., Hamerski L., Tinoco L.W. **2019**. New *Leishmania donovani* nucleoside hydrolase inhibitors from Brazilian flora. *RSC Advances* 9 : 18663-18669.

Sorres J., Nirma C., Eparvier V., Stien D. **2017**. Pseudallicins A-D, four complex ovalicin derivatives from *Pseudallescheria* sp. SNB-CN85. *Org. Lett.* 19 (15) : 3978-81.

Touré S., Nirma C., Falkowski M., Dusfour I., Boulogne I., Jahn-Oyac A., Coke M., Azam D., Girod R., Moriou C., Odonne G., Stien D., Houël E., Eparvier V. **2017**. *Aedes aegypti* Larvicidal Sesquiterpene Alkaloids from *Maytenus oblongata*. *J. Nat. Prod.* 80 (2) : 384-390.

Nirma C., Eparvier V., Stien D. **2015**. Reactivation of antibiosis in the enthomogenous fungus *Chrysosporthe* sp. SNB-CN74. *J. Antibiot.* 68 : 586-590.

Nirma C., Eparvier V., Stien D. **2015**. Antibacterial ilicicolinic acids C and D and ilicicolinal from *Neonectria discophora* SNB-CN63 isolated from a termite nest. *J. Nat. Prod.* 78 (1): 159-162.