



NASREDDINE BENBETTAIEB

From France to Sweden



Project: **Biopolymer Chemistry**

Research topic: **Biology**

Swedish Institution: **Chalmers University**

French Institution: **University of Burgundy**

Dates of mobility: **25/10/2020 to 01/11/2020**

Program: **SFVE-A (ex TOR)**

PRESENTATION

[Nasreddine Benbettaieb](#) is Associate Professor in food packaging sciences and technologies at the Department of BioEngineering, Institute of Technology, [University of Burgundy](#) (Dijon).

Her research focuses on the field of food packaging for a sustainable future (ecological packaging biomaterials) and for the protection of food and consumers (active packaging, natural antioxidants).

ACTIVITIES IN SWEDEN

The purpose of Nasreddine Benbettaieb's stay in Sweden was to visit the [Chemical Engineering Department](#) at [University of Chalmers](#) and establish new contacts with [Prof. Anette Larsson](#) and [Prof. Gunnar Westman](#). She also presented her current research to doctoral and postdoctoral researchers, entitled "Marine by-products valorisation for active packaging applications" and "Mass transfer from and through food packaging". The researchers established in the Swedish institution were working with structure-property relationships, mainly from wood and annual plants. Nasreddine Benbettaieb was especially interested in their new study on ulvans.

They discussed a future collaboration focused on the substitution of plastic packaging by new sustainable active materials for the preservation of fresh products.