

The Education, Scholarships, Apprenticeships and Youth Entrepreneurship

F-SEE-116/12.2018

Project No: 18-COP-0041

Project title: Cooperation and partnership strategy for the enhancement of the education quality of strategic master Chemistry of Advanced Materials in line with Green Chemistry requirements – Green Chemistry of Advanced Materials (GREENCAM)

***GREENCAM* kickoff meeting minutes**

Location: Faculty of Chemistry, University of Bucharest, Bdul Regina Elisabeta 4-12, Sector 3, room number 14

Date: 8th of October 2019

Time: 9:00-12:00

Attendees:	Elisabeth Egholm Jacobsen	NTNU
	Sulalit Bandyopadhyay	NTNU
	Mădălina Săndulescu-Tudorache	University of Bucharest
	Simona Coman	University of Bucharest
	Delia Popescu	University of Bucharest
	Bogdan Jurca	University of Bucharest

Agenda

1. Introduction - Project background

- high-level overview summarizing historical context (project application) and current context (accepted application and project contract)

2. Short presentation of the partners and the groups' members

3. Discussion of the management staff about the project activity according with the project proposal

- Set up the project agenda for 2020:
 - date for students mobility (May 2020)
 - date for the summer school (June 2020)
 - date for course module "Aspects of organic Chemistry in polymer Preparation" (June 2020)
 - date for the next 2 meetings in 2020 (Mai in Trondheim and November in Bucharest)
- Website, logo and flyer
- Agreement on the scientific themes proposed for student participants at the project (4 themes on Green chemistry for Advanced Materials)

d) Agreement on the project budget.

4. *Information of the Consortium on the agenda of ANPCEDFP meeting (27.09.2019).*

5. *Questions*

Approval of Agenda

The agenda was unanimously approved as distributed.

Discussion Points on the Agenda

1. Introduction - Project background

Dr. Mădălina Săndulescu-Tudorache - the GREENCAM project manager – presented a short background of the project.

This presentation included:

- **Time span of the project:** 1st of October 2019 – 30th of September 2021, expenses until 30th of November 2021;

- **Partners:**

- *Project Promotor* - University of Bucharest (UB), B-dul Regina Elisabeta, no. 4-12, sector 3, Bucharest
- *Donor Partner* - Norwegian University of Science and Technology (NTNU), Høgskoleringen 5, N-7491 Trondheim, Norway

- **Activities:**

- 4 project meetings: October 2019, Bucharest, Romania
May 2020, Trondheim, Norway
October-November 2020, Bucharest Romania
May 2021, Trondheim, Norway
- 3 short-term joint staff training events
 - Course module 1 BIOCATALYSIS (Biocatalytic materials)
 - Course module 2 ADVANCED POLYMERS (Aspects of organic chemistry for polymers preparation)
 - Course module 3 NANOMATERIALS (Nanomaterials-based solar cell)
- short-term mobility of students in Green Advanced Materials (4 students x 1 month/years);
- summer school - *Materials from Biomass 2020*, Trondheim, Norway, around 30 participants;
- workshop *Contemporary solution for Advanced Materials with High Impact on Society*, 2021, Bucharest, Romania, around 30 participants;

- Skype meetings;
- uploads of the project website;
- dissemination activities in the frame of the other projects activities.

- Intellectual Outputs:

1. Improved curricula of CAM master study combining the traditional chemistry for advanced materials with friendly and useful chemistry.
2. E-support for the redesigned courses enclosing knowledge from modern, up-to-date, green and sustainable chemistry fields.
3. E-book contents the four master theses developed based on UB-NTNU collaboration.
4. Proceedings of the summer school abstracts – printed and electronic volume of the Intensive study programme “Materials from biomass” organized in 2020, Trondheim (Norway).
5. Special issue of a chemical journal dedicated to the workshop “Contemporary solutions for advanced materials with high impact on society”, multiplier event, Bucharest, Romania, 2021.
6. 2 scientific papers published in ISI journals.

2. Short presentation of the partners and the groups' members

Dr. Mădălina Săndulescu-Tudorache and Dr. Elisabeth Egholm Jacobsen made a short presentation of the two partner universities.

The participants in the meeting introduced themselves and made a short description of their research and teaching interests.

3. Discussion of the management staff about the project activity according with the project proposal

The management staff had decided on the following:

a) the project agenda for 2020:

- date for students mobility (3 May – 2 June 2020)
- date for the summer school (2– 6 June 2020)
- date for course module "Aspects of Organic Chemistry in Polymer Preparation" (maybe March 2020: 1.02.2020-12.04.2020 or 10.04.2020-30.05.2020)
- date for the next 2 meetings in 2020 (8-10 June in Trondheim and March in Bucharest)

b) design of the website (will be prepared by Dr. Bogdan Jurca) and flyer to promote the project.

c) the 4 research themes on Green Chemistry for Advanced Materials:

1. *Designing biocatalysts based on the model of enzymes co-immobilization with application for cascade biocatalysis*
2. *Humins – from wastes to catalytic materials*
3. *Bifunctional catalytic materials for the humins valorization to liquid hydrocarbons*
4. *Crystalline Porous Coordination Polymers with Catalytic / Gas Adsorption Applications*

The 4 selected students for the short-term mobility of students in Green Advanced Materials (4 students x 1 month/years) will choose one of the above themes as their dissertation topic.

d) GREENCAM budget (EUR)

The final budget of the project was approved as follows:

Budget items	Amount allocated to the partner	Amount allocated to the promoter	Total amount
Management and implementation	6000	12000	18000
Short term transnational mobilities	5806	28424	34230
Intellectual outputs	57330	20160	77490
Multiplier events	0	7000	7000
Special needs support	0	0	0
Exceptional costs	0	0	0
Total costs	69136	67584	136720

4. Information of the Consortium on the agenda of ANPCEDFP meeting (27.09.2019).

Dr. Mădălina Săndulescu-Tudorache made a short presentation of main points on the agenda of the ANPCEDFP meeting from 27th of September, 2019.

Dr. Mădălina Săndulescu-Tudorache mentioned that the disclaimer: “This (*select or insert the most adequate for your purpose*) article/document/publication was realised with the EEA Financial Mechanism 2014-2021 financial support. Its content (text, photos, videos) does not reflect the official opinion of the Programme Operator, the National Contact Point and the Financial Mechanism Office. Responsibility for the information and views expressed therein lies entirely with the author(s)” and the logo of the SEE donor states are mandatory to be on all the project documents and products!

5. questions

There aren't any particular questions except those related to the previous discussed aspects.

Date,

08.10.2019

Project director,

Madalina SANDULESCU-TUDORACHE

