



# **WG: Activities for Students**

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**UNIVERSITY CA' FOSCARI VENEZIA**

# WG Members

- **ECTN Working Group: Activities for Students**
- **Leader: Gino Paolucci**, University Ca' Foscari Venice, IT.
- **Vice-Leaders: Evangelia Varella**, Ioannis Kozaris Aristotle University of Thessaloniki, GR
- **Members**
- **Leopold Puchinger**, TU Wien, AT; **Walter Zeller**, Wien; **Małgorzata Krzeczowska** [Jagiellonian University](#), Kraków, PL; **Leo Gros**, [Hochschule Fresenius Idstein](#), DE; **Ivo Leito**, University of Tartu, EE; **Gunther Fleerackers**, UC Leuven-Limburg, BE; **Katrien Meester**, Thomas More University College, Geel, BE; **Laurent Jacoby**, UC Leuven-Limburg, Leuven, BE; **Blanka Kralova**, University of Chemistry and Technology Prague, CZ; **Anna Maria Cardinale**, University of Genova, IT; **Heike Henneken**, University of Cologne, DE; **Catherine Vieillescazes**, University Avignon, FR; **Sanjiv Prashar**, Univesidad Rey Juan Carlos ES

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# Activities for Students 2016-2017

## SUMMER SCHOOL:

THEMATIC INTENSIVE SCHOOL ON KEY  
COMPETENCES FOR NATURAL SCIENTISTS

## CONTESTS

STUDENT CONTEST Learning Objects

ECHEM-TEST CONTEST

## THEMATIC INTENSIVE SCHOOL ON KEY COMPETENCES FOR NATURAL SCIENTISTS

- An **Intensive School on Key Competences** was organised in Villa Real (Spain) in the days 22-25 November 2016, as a joint initiative of the City of Villa Real (Spain), Jaume I University of Castellón de la Plana (Spain), Aristotle University of Thessaloniki (Greece), and the European Chemistry Thematic Network Association. It was held in the frame of the International Fair DESTACA 2016.
- Interactive workshops and problem-solving classes dealt with design, management and quality assurance of scientific development plans; with implementation of knowledge centre spin-offs; and with funding opportunities for innovative research. In addition, students attended structured English for Specific Purposes courses on communication in scientific environments. The courses were held in English.
- Based on well-defined standards, characterised by transparent learning outcomes, and applying reliable assessment procedures, the **Intensive School on Key Competences** was conform to all informal learning validation requirements.



## **SCIENTIFIC ORGANISING COMMITTEE**

- Juan B. Carda Castelló, Jaume I University of Castellón de la Plana, Spain
- Evangelia Varela, Aristotle University of Thessaloniki, Greece, ECTN
- Jorge Llop, L' Alcóra Higher Educational Institution for Ceramics
- Gino Paolucci, Ca Foscari University of Venice, Italy, ECTN

## **LOCAL ORGANISING COMMITTEE**

- Juan B. Carda, Chair for innovation in Ceramics, Jaume I University of Castellón de la Plana, Spain
- Antonio Martínéz Sabater Chair for innnovation in Ceramics, Jaume I University of Castellón de la Plana, Spain
- Toni Castellò Canòs, Chair for Innovation in Ceramics, Jaume I University of Castellón de la Plana, Spain

## ○ **TEACHING STAFF**

○ J.S. Valencia Ríos                      National University of Colombia  
(Colombia)                      financed by DESTACA 2016 International Fair

○ D. Cabedo Jaime I University of Castellón de la Plana (Spain)

○ financed by Jaime I University and DESTACA 2016  
International Fair

○ A.M. Andrés Payán, Cantabria University (Spain)

○ financed by Cantabria University and DESTACA 2016  
International Fair



## ○ Teaching Staff

- B. Whiddon Lyon (France) financed by ECTN
- P. Biron Lyon (France) financed by ECTN
- W. Zeller Vienna (Austria) financed by ECTN
- E.A. Varella Aristotle University of Thessaloniki (Greece) financed by ECT
- J.B. Carda Castelló Jaume I University of Castellón de la Plana (Spain)  
financed by Jaume I University and DESTACA 2016 International Fair
- I.A. Kozaris Aristotle University of Thessaloniki (Greece) financed by ECT
- J.J. Bakali Bakali Spanish Ceramics Society (Spain) financed by  
DESTACA 2016 International Fair
- X. de la Fuente Leis Aragon Institute of Materials (CSIC) in Saragossa (Spain)  
financed by Aragon Institute of Materials (CSIC)

## **Expenses Summer School Castillon 23-25 November 2016**

Please find attached three invoices for the realized expenses at the Intensive school.

The first invoice (Hotel Dona Lola) is **for the teachers' accommodation** and should be paid to the following hotel's bank account

Hotel Doña Lola account (invoice for teachers' accommodation):

Bank: BBVA

BIC code: BBVAESMM

IBAN ES81 0182 7318 6502 0159 9645

The second invoice **is related to students' accommodation (Hostel Sant Joan)** and should be paid to the following hotel's bank account

Hostal Sant Joan (Invoice for students' accommodation) :

Bank name: Bankia

BIC code: CAHMESMMX

IBAN code: ES80 2038 6262 8560 0001 0171

And the third invoices **is related to students' lunches( Juan Clausell Aiana)** and should be paid to the following hotel's bank account

Juan Clausell Aiana (invoice for students' and English teachers lunches)

Bank: CAJA RURAL CATOLICO AGRARIA

BIC: CCRIES2A110

BAN code: ES21 3110 2818 4927 2001 6397



## STUDENTS

1. Anna Peiró Franch	Jaume I University of Castellón de la Plana (Spain)	financed by Jaume I University
2. Rocío Torres Iglesias		
3. Alba Carretero Cerdán		
4. Lara Trigueros Navarro		
5. Raquel Gómez Macián		
6. Diego Navarro Barreda		
7. Miguel Cantero López		
8. Pilar Escrig Porcar		
9. Chaffai Khaoula	Zitouna University (Tunisia)	financed by the State of Tunisia (journey, partly subsistence) and ECTN (partly subsistence)
10. Souissi Marwa		
11. Ben Abdallah Sabrine		
12. Berrajeh Marwa		
13. Abdelhamid Abdallah		
14. Ben Rajah Walid		
15. Bozhilov Radoslav	Sofia University of Metallurgy & Chemical Technology (Bulgaria)	financed by the University of Metallurgy & Chemical Technology (journey) and ECTN (subsistence)
16. Knyazyan Aram	AZAD Pharmaceutical R&D Laboratories (Armenia)	financed by AZAD Pharmaceutical R&D Laboratories (journey) and ECTN (subsistence)
17. de Pedro Andrés Gonzalo	Cantabria University (Spain)	financed by Cantabria University (journey) and ECTN (subsistence)

- SUMMER SCHOOL CASTILLON:TOTAL EXPENSES
- Ioannis Kozaris, 953,43 EUR
- Hotel Dona Lola, 945,05 EUR
- Hostal Sant Joan, 330,00 EUR
- Juan Clausell Aiana, 219,45 EUR
- Evangelia Varella, 718,30 EUR
- Bridget Whiddon 286,39 EUR
- Walter Zeller 467,84 EUR
- Patricia Biron 225,46 EUR
- \_\_\_\_\_
- **TOTAL 4145.92 €**



# Student Contest 2016-2017

Participants 15 from 3 Countries (Austria, Germany, Poland)

International voting: 291 valid votes (of total 368)

Mail to all the members of 31 Countries registered at ECTN to nominate a National Coordinator + an Expert in Teaching Chemistry: only 7 reply

International Commission for the final evaluation made by only 5 evaluators. Unfortunately the Polish artworks were all in Polish language thus their evaluation create severe problems. On the other hand on the announcement it was reported that the artworks must be preferably in English.

# Problems of the Contest Edn. 2016-2017

- The announcement was sent June 30 with the following dates:
- *Submission of learning objects will take place from **September 15<sup>th</sup> to December 31<sup>st</sup>, 2016.***
- *The deadline for voting for the national phase will be **February 15<sup>th</sup> 2017.***
- *The results will be published at **the end of February 2017** on the Contest web page.*
- *Instead due to several problems of the server uploading started in December and voting ended March 2017 and the final results of the evaluations from the National Coordinators + Experts in teaching of Chemistry arrived only March 24 2017 and published on the Contest web page.*



# Proposal for the Contest

- **The participation of the various countries must be higher than in the last editions. Thus members of the WG must be more active in advertising the Contest**
- **The WG must define and approve the Contest's rules and publish them as soon as possible (probably by end of June).**
- **The announcement must be sent as soon as possible (possibly before the summer holidays) and published both on the web page of the Contest and on the web page of ECTN.**
- **Once fixed the timetable of the Contest we must avoid any changes.**
- **The artworks must be translated in English.**
- **We must define which kind of artworks are allowed to participate (Word, PPT, Poster, video...)**
- **The artworks will be stored in a repository using the server in Perugia and will be available for students and teachers for educational purposes after registration of the user.**

Announcement will be published also on the ECTN NEWS.

Some new name proposed for the Contest:

## How to teach Chemistry

## Positive Images of Chemistry

The contest will be directed not only to:

University students and teachers

Also to

Secondary School students and teachers



- Evaluation by National Coordinators + Secondary School Teaching Expert and by registered popular vote.
- The artwork should clearly indicate to which audience is targeted (secondary, High Schools, and University Students). The evaluation will be done comparatively to homogeneous categories.
- Diplomas for all entries and prizes for the competition winners of each section.

### **Some more comments and suggestions for changes:**

- At the time of sending out the contest rules, the contest webpage should be active and should work efficiently meaning that all of the following actions should be possible: 1) setting up an account, 2) logging in (signing in), and 3) uploading the work.
- Maybe on the webpage of the competition information about the details of file opening, file sharing (movie, webquest, prezi presentation) should be immediately given. For instance specification on executable files:

*To open the prezi presentation double-click on the .exe file. Your prezi will load. Once it opens, it will be immediately ready for presentation.*

*Note: DirectX 9 or higher is required to view a portable prezi. You'll also need a dedicated or integrated graphics card.*

*[\[https://prezi.com/support/article/mac/viewing-downloaded-prezi-presentation-portable/\]](https://prezi.com/support/article/mac/viewing-downloaded-prezi-presentation-portable/)*



- c) Maybe in addition to the contest page a facebook page could be launched as well - works could also be available on FB and in the evaluation of the work the number of "LIKE"s could be taken into account.
- d) During the competition rules should not be changed

**e) Contest rules:**

1. The correctness of the content (current state of knowledge on the subject) and the correctness of the didactic aspect must be included in the score.
2. Perhaps it is worth mentioning clearly at the beginning that the artwork should also be prepared in English.
3. It may be worthwhile to propose codes such as „PL” at the end of the name of artworks sent from Poland.
4. Artworks should be grouped according to the form or level of education of the author, for example, so that the static conceptual map or the educational poster would not compete in one category with an interactive course on the platform. Another example could relate to the grouping based on participant's background: technical higher school students, upper secondary school students and academic teachers. Maybe it is worthwhile to propose specific categories for the artwork to be chosen in the contest rules?
5. Can artworks be assessed in each category separately? With the aim of choosing the best work in a given category - the winning work would be the one that has the highest score in each category. Or one could reward every artwork in each of the categories?
6. Is worth to mention where all the artworks from the international stage will be posted. All artworks should be available after the end of each edition of the competition and made available to a wider circle, for example, teachers could use them.
7. Maybe it is worth pointing out immediately that a graphic abstract of work in the form of png should be send with the artwork?



# EChem Test Competition

- Coordinators: Arthur Michalak and Evangelia Varella.
- The competition was made between students from
- Lubljana, Ktakow, Prague, Thessaloniki with an interesting success between the students.

**EChem Test Competition: Results of the final stage  
of the  
2017 ECTN European EChemTest Competition.  
Ljubljana, Krakow, Prague, Thessaloniki, March 28th,  
2017**

**General Chemistry II:**

**1st prize: Hubert Buksa (Poland) 86%**

**Daniel Golec (Poland) 86%**

**Dariusz Jajeśniak (Poland) 86%**

**Kacper Wrona (Poland) 86%**

**2nd prize: Ana Šešek (Slovenia) 83%**

**Maciej Kolasa (Poland) 83%**

**3rd prize: Bartłomiej Burkowicz (Poland) 79%**

**General Chemistry I:**

**1st prize: Marianna Tzivanopoulou (Greece) 96%**

**2nd prize: Jože Gašperlin (Slovenia) 95%**

**3rd prize: Jan Roczniak (Poland) 92%**



## Test: General Chemistry 1 (GC1)

### Czech Republic

ID	Name	Surname	Score	Place
1	Petr	Palivec	89	
2	Lucie	Smetanová	76	
3	Vojtěch	Širůček		
4	Andrej	Dančo	78	
5	Adam	Šimarek	88	
6	Kristián	Hrabica	85	
7	Jan	Flodr	78	
8	Jan	Polena	76	
9	Daniel	Glabazňa	67	
10	Pavel	Němeček		

## Greece

ID	Name	Surname	Score	Place
11	Anastasia	Christodoulou	84	
12	Georgios	Mourgkos		
13	Christos	Paschalidis	76	
14	Stefanos	Tataridis	57	
15	Marianna	Tzivanopoulou	96	I

## Slovenia

ID	Name	Surname	Score	Place
16	Jože	Gašperlin	95	II
17	Neža	Sodnik	86	
18	Anže	Šumah		
19	Jakob	Höfferle		
20	Ana	Šešek	91	

## Poland

ID	Name	Surname	Score	Place
21	Bartłomiej	Burkowicz	86	
22	Daniel	Golec	89	
23	Maria	Gut	76	
24	Jan	Roczniak	92	III
25	Maciej	Kolasa	86	
26	Hubert	Buksa	86	
27	Kacper	Wrona	89	
28	Dariusz	Jajeśniak	89	



## Test: General Chemistry 2 (GC2)

### Czech Republic

ID	Name	Surname	Score	Place
1	Petr	Palivec	66	
2	Lucie	Smetanová	69	
3	Vojtěch	Širůček		
4	Andrej	Dančo	69	
5	Adam	Šimarek	59	
6	Kristián	Hrabica	56	
7	Jan	Flodr	59	
8	Jan	Polena	63	
9	Daniel	Glabazňa	53	
10	Pavel	Němeček		

## Greece

ID	Name	Surname	Score	Place
11	Anastasia	Christodoulou	66	
12	Georgios	Mourgkos		
13	Christos	Paschalidis	68	
14	Stefanos	Tataridis	50	
15	Marianna	Tzivanopoulou	76	

## Slovenia

ID	Name	Surname	Score	Place
16	Jože	Gašperlin	76	
17	Neža	Sodnik	76	
18	Anže	Šumah		
19	Jakob	Höfferle		
20	Ana	Šešek	83	II

## Poland

ID	Name	Surname	Score	Place
21	Bartłomiej	Burkowicz	79	III
22	Daniel	Golec	86	I
23	Maria	Gut	66	
24	Jan	Roczniak	78	
25	Maciej	Kolasa	83	II
26	Hubert	Buksa	86	I
27	Kacper	Wrona	86	I
28	Dariusz	Jajeśniak	86	I