International Summer School and Symposium

Instrumental Analytical Techniques in Environment and Food Safety Control

Tatjana Anđelković

University of Nis Faculty of Science and Mathematics

ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education

Programme: Erasmus +
Key action: Cooperation for innovation and the exchange of good practices
Action: Capacity Building in Higher Education
Acronym: NETCHEM
Ref. No: 573885-EPP-1-2016-1-RS-EPPKA2-CBHE-JP

NETCHEM
Niš, December 06th 2018
International Summer School and Symposium
Instrumental Analytical Techniques in Environment and Food Safety Control

Educational event (School) + Scientific event (Symposium)
Time: 18-21 June 2019

Scope of the event: The Summer School should focus on teaching and discussing modern knowledge in instrumental analytical techniques, mainly mass spectrometry (MS) and its application.
Focus will be on both theoretical and practical aspects of instrumental techniques (mainly MS).
Poster session during the school program.
All participants of the School can submit an abstract for poster presentation.

Target group: students, post-docs, teachers, scientists, professionals (registration is free of charge)
Place: Nis, Faculty of Science and Mathematics - amphitheater
- The lectures and workshops will be performed in the amphitheater of Faculty of Science and Mathematics, Nis on the instruments available at our consortium institutions for Remote Access

Instruments used for School with Remote Access:
- Orbitrap (from UN)
- GC/MS (from UN)
- GC/TOF (from BUT)
- TGA (from UoG)
- NMR (from UoG)
Structure of the School

09:00 – 10:30 am lectures (3 lectures, 30 min/lecture)
  • coffee break (30 minutes)

11:00 – 12:30 lectures (3 lectures, 30 min/lecture)
  • lunch (1 hour)

13:30 -14:30 (2 lectures, 30 min/lecture)
14:30 – 15:30 pm workshop 1 – remote access (1 hour long)
  • coffee break (15 minutes)

15:45 – 16:45 pm workshop 2 – remote access (1 hour long)

Total:
8 lectures/day x 3 days = 24 theoretical lectures
2 workshops/day x 3 days = 6 workshops
Program

**MS topics**
- Fundamentals of mass spectrometry: base peak, resolution etc.
- Ionisation techniques (MALDI and ESI)
- Mass analysers (quadrupoles, iontraps, TOFs, Orbitraps)
- Fragmentation mechanisms
- Quantitative analysis

**Other instrumental techniques**
- TGA
- NMR

**Sample preparation techniques**

**Validation protocols**

This draft version will be discussed and approved with Jean Claude Tabet, president of Sci Committee together with Sci Committee.
Lecturers:

1. Jean Claude Tabet – 6 lectures + 3 Virtual lab practices (something like the following: ....1. Fundamentals of mass spectrometry: base peak, resolution etc.; 2. Ionisation techniques (MALDI and ESI); 3. Mass analysers (quadrupols, iontraps, TOFs, Orbitraps); 4. Fragmentation mechanisms) ... proposal!
2. Anna Warnet – 1 lecture
3. Eric Ezan – 1 lecture
4. François Fenaille - 2 lectures
5. Natali Stojiljkovic – 1 lecture
6. Josef Caslavsky - 1 lecture + 1 Virtual lab practice (GC/TOF)
7. Milan Antonijevic – 2 lectures + 1 Virtual lab practice (TGA)
8. Andy Manham – 1 lecture + 1 Virtual lab practice (NMR)
9. ANL - 1 lecture (Validation protocols)
10. UN – 1 lecture
11. UNS – 1 lecture
12. UB – 1 lecture
13. UNIKG – 1 lecture
14. AUT – 1 lecture
15. UT - 1 lecture
16. ESV – 1 lecture
17. ZLT – 1 lecture

Lectures that will be presented by these institutions could be presented by 1 or 2 presenters
All lecturers should send their lecture topics and workshop topics to tatjana.andjelkovic@outlook.com till 10th December 2018
### Summer School: Instrumental Analytical Techniques in Environment and Food Safety Control (11th Mass Spectrometry School – MSS 11)

Niš, Faculty of Sciences and Mathematics, 18.06. – 21.06.2019.

<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday 18.06.</th>
<th>Wednesday 19.06.</th>
<th>Thursday 20.06.</th>
<th>Friday 21.06.</th>
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</thead>
<tbody>
<tr>
<td>8:30-9:00</td>
<td>Registration. SCHOOL OPENING.</td>
<td>Lecture 1</td>
<td>Lecture 9</td>
<td>Lecture 17</td>
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<tr>
<td>9:00-9:30</td>
<td>Lecture 2</td>
<td>Lecture 10</td>
<td>Lecture 18</td>
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<tr>
<td>9:30-10:00</td>
<td>Lecture 3</td>
<td>Lecture 11</td>
<td>Lecture 19</td>
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<tr>
<td>10:00-10:30</td>
<td>coffee break</td>
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<tr>
<td>11:00-11:30</td>
<td>Lecture 4</td>
<td>Lecture 12</td>
<td>Lecture 20</td>
<td>Lecture 20</td>
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<tr>
<td>11:30-12:00</td>
<td>Lecture 5</td>
<td>Lecture 13</td>
<td>Lecture 21</td>
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<td>12:00-12:30</td>
<td>Lecture 6</td>
<td>Lecture 14</td>
<td>Lecture 22</td>
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<tr>
<td>1 hour break</td>
<td>lunch break</td>
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<tr>
<td>13:30-14:00</td>
<td>Lecture 7</td>
<td>Lecture 15</td>
<td>Lecture 23</td>
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<td>14:00-14:30</td>
<td>Lecture 8</td>
<td>Lecture 16</td>
<td>Lecture 24</td>
<td>Lecture 24</td>
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<td>14:30-15:30</td>
<td>Virtual lab 1</td>
<td>Virtual lab 3</td>
<td>Virtual lab 5</td>
<td>Virtual lab 5</td>
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<tr>
<td>15 min break</td>
<td>coffee break</td>
<td>coffee break</td>
<td>coffee break</td>
<td>coffee break</td>
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<tr>
<td>15:45-16:45</td>
<td>Virtual lab 2</td>
<td>Virtual lab 4</td>
<td>Virtual lab 6</td>
<td>Virtual lab 6</td>
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<tr>
<td>16:45-18:00</td>
<td>Poster session 1</td>
<td>Poster session 2</td>
<td>Certificates. Best poster winner. SCHOOL CLOSING.</td>
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<tr>
<td>20:00</td>
<td>SOCIAL DINNER</td>
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Scientific committee
Organising committee
Honorific committee
Scientific committee – 19 members

1. Jean-Claude Tabet, AQ, president
2. Tatjana Andjelkovic, UN
3. Darko Andjelkovic, UN
4. Ivana Kostic, UN, secretary
5. Sandra Alvez, SU
6. Milan Antonijevic, UoG
7. Andy Mandham, UoG
8. Josef Caslavsky, BUT
9. Eric Ezan, CEA
10. Francois Frenalle, CEA
11. Branimir Jovancevic, UB
12. Ivan Grzetic, UB
13. Ivana Ivancev Tumbas, UNS
14. Zoran Matovic, UNIKG
15. Majlinda Vasjari, UT
16. Renata Kongoli, AUT
17. Anna Warnet, AQ
18. Natali Stojiljkovic, AQ
19. Annie Brossas, AQ
Scientific committee - role

1. make selection of lecture topics
2. make school programme
3. responsible for delivery of the lectures
4. selection and review of abstracts
5. review of Summer School Proceeding
6. selection of best poster winner
Organising committee – 23 members

1. Tatjana Andjelkovic, UN
2. Darko Andjelkovic, UN
3. Aleksandar Bojic, UN
4. Aleksandra Zarubica, UN
5. Ivana Kostic, UN
6. Milan Milosevic, UN
7. Bojan Zlatkovic, UN
8. Milica Brankovic, UN
9. Miljana Radovic, UN
10. Jelena Mitrovic, UN
11. Nena Velinov, UN
12. Slobodan Najdanovic, UN
13. Branimir Jovancevic, UB
14. Xxx
15. Xxx
16. Ivana Ivancev Tumbas, UNS
17. xxxxxx
18. Zoran Matovic, UNIKG
19. Maja Djukić
20. Majlinda Vasjari, UT
21. xxxxxx
22. Renata Kongoli, AUT
23. xxxxxx
Organising committee

- Responsible for promoting event, coordinate promotion, publicity
- Responsible for coordinating tasks around the organisation of the event
- Provides and overviews logistic and delivery of the event (technical and organisation support)
- Responsible for creation of call for the event, event book, handouts
Honorific committee

Commission for accreditation of specialist courses of continuous professional development

1. Anthony Mallet (UoG)
2. Stephan Leharne (UoG)
3. Jean Claude Tabet to propose member
4. Josef Caslavsky to propose a member
5. Eric Ezan to propose a member
Accreditation of the School

• **Responsible:** Tatjana Andjelkovic
• **Teaching-Scientific Council in January 2019**
  - Commission for accreditation of specialist courses of continuous professional development: lecturers and experts from other faculties and universities.
  - up to five members, one of which is the President of the Commission.
  - The holder of a specialized course of CPD submits to the Program Council of the Center list of Commission members.
  - the Program Council of Center for Professional development verifies the Commission
• **The Commission for Accreditation of CPD courses decides on the accreditation**

  Accreditation of the program shall be carried out if:
  1) the program improves the knowledge, skills and competence of the participants;
  2) the program is based on the latest knowledge and achievements of the profession;
  3) contributes to improving the quality of professional work;
  4) topic, target group, type and duration of the program are clearly defined.
Zbornici naučnih skupova (M30, M60)

Međunarodnim naučnim skupom smatra se skup koji organizuje međunarodni naučni odbor, naučno udruženje ili naučna institucija, koji ima međunarodnu selekciju i recenziju priloženih radova i na kome se radovi saopštauju i publikuju na jednom od svjetskih jezika, ili jezika međunarodne naučne komunikacije u datoj oblasti nauke.

Uslov da skup dobije status međunarodnog naučnog skupa jeste da u naučnom odboru ima članove iz najmanje pet zemalja i najmanje deset učesnika iz inostranstva sa radovima. Ovo važi kako za skupove u zemlji, tako i za skupove u inostranstvu. O karakteru skupa prosuđuje odgovarajući matični odbor a procenu potvrđuje Ministarstvo. Nadležni matični naučni odbor procenjuje kompetenciju i reprezentativnost inostranih članova naučnog odbora i učesnika na skupu. U slučaju nacionalnih disciplina, zavisno od njihove zastupljenosti u inostranstvu, pri kategorizaciji skupa mogu se primeniti i drugačiji srazmeri. Takvu odluku donosi nadležni matični naučni odbor, a potvrđuje je Ministarstvo.

Nacionalnim naučnim skupom smatra se skup koji organizuje nacionalni naučni komitet, naučno udruženje ili naučna institucija. Organizacioni i programski odbor skupa mora u svom sastavu imati eminentne stručnjake/istraživače iz naučne oblasti kojoj je skup posvećen.

Broj učesnika naučnog skupa, odnosno na njemu podnetih saopštenja, ne može biti manji od deset.

Zbornik saopštenja sa naučnog skupa je publikacija koju izdaje organizator skupa samostalno ili u saradnji sa nekim izdavačem ili časopisom, a u kojoj se objavljuju prilozi saopšteni na skupu, u celini (zbornici saopštenja) ili sažeti, odnosno u izvodu (zbornici rezimea, apstrakta).

Pri procenjivanju da li je prilog objavljen u celini ili u izvodu, osim karaktera publikacije naznačenog na njoj naslovnoj strani (zbornik radova naučnog skupa, engl. Proceedings, ili zbornik rezimea naučnog skupa, engl. Abstracts), uzima se u obzir i obim priloga. Svi prilozi
kraći od tri autorske strane biće vrednovani kao radovi u izvodu bez obzira na karakter publikacije.

Autorstvo, odnosno koautorstvo određuje se na isti način kao za radove u časopisima.

Predavanje po pozivu se priznaje samo jednom autoru (ako to nije nedvosmisleno drugačije formulisano u samom pozivu).

Kategorizaciju ove vrste publikacija vrše nadležni matični naučni odbori, kojima se na uvid podnose fotokopije rada, naslovne strane i sadržaja zbornika. Rezultate kategorizacije prihvata Ministarstvo.
Editorial board

Xxxxxxxxxxxx ..... Prof. dr Aleksandar Bojić, Prof. dr Aleksandra Zarubica, Prof. dr Darko Anđelković

- Establish a system for effective and rapid peer review
- Provide guidelines to authors for preparing and submitting manuscripts
- Proceeding format, design, ...
- Electronic or printed version or both
- ISBN
- CIP
Contributed papers & Abstracts of invited lectures

- Abstracts
- Lectures
- Technical: Prof. dr Milan Milosevic, dr Ivana Kostic
Abstracts & posters

1. Responsible: Maja Djukic (UNIKG), Prof. dr Jelena Mitrovic (UN), dr Miljana Radovic (UN)
2. To define template for abstract and poster
3. To receive abstracts and forward to secretary of Sci Comm (info@mss2019.netchem-eu.com)
4. Organisation of poster session
Registration

1. Registration is required for all participants.
2. Registration is free of charge.
3. Registration includes daily lectures and instruction, practical sessions, participant poster session, lecture handouts, promo material.
4. Final banquet dinner and organized half-day excursion will be charged or sponsored.
5. Registration will be opened in 01.01.2019 closed in 31.05.2019.
Web-site of the School

https://mss2019.netchem-eu.com/

1. Responsible: UN
3. Registration opened by 15.01.2019.
4. Web design and technical optimization and update: Prof. dr Milan Milosevic and dr Ivana Kostic
5. Content: Prof. dr Tatjana Andjelkovic

info@mss2019.netchem-eu.com
Support for Summer School

- **Responsible:**
  
  Prof. dr Branimir Jovancevic (UB)
  Prof. dr Bojan Zlatkovic (UN)
  (UNIKG)
  (UNS)
  (AUT)
  (UT)
  EU partners....

- **Financial support**

- **Dissemination support (ANL)**
Accomodation & Travel information

- **Responsible: Milica Brankovic (UN)**
  - Text for web-site of the school
  - Currency
  - Climate
  - Transportation
  - Culture

Up to 10\textsuperscript{th} December 2018
Organisation/reservation of School sites

Responsible: Milica Brankovic (UN)

- Amphitheater
- Poster hall and poster stands
- Site for sponsor exhibition
- Info desk
Technical support

Responsible: Prof. dr Darko Andjelkovic, Milica Brankovic, dr Ivana Kostic, Prof. dr Milan Milosevic, Predrag Nikolic, Livija Kekovic

- Instruments
- Chemicals
- Gases
- IT equipment
- Internet
Registracioni/info desk

Responsible: Nena Velinov, Slobodan Najdanovic

- Delivery of material
- Provide practical information
- 1 hour before school at the desk
- During the school with participants
Excursion

Responsible: Prof. dr Bojan Zlatkovic, Ivana Kostic
- Place
- Duration
- Bus
- Lunch

Dinner

Responsible: dr Miljana Radović
- 2nd day of the School

Lunches + refreshments

Responsible: Milica Brankovic, Slavisa Kragic
- 1 lunch package + 2 coffees/drinks per day
- Sponsor: Faculty of Science and Mathematics
Publicity

Responsible: dr Miljana Radović

- TV
- Newspaper
- Radio
Photo – gallery

Responsible: Danica Nikolic, Prof. dr Milan Milosevic

- Video-clip preparation – recording of School lectures and remote sessions
- 4 days of the School
Certificates

- Responsible: dr Miljana Radovic, dr Ivana Kostic
- Design, printing, signature, stamp
Promo material

Responsible: dr Ivana Kostic, Prof. dr Milan Milosevic

- announcement - design
- website – design and updating
- flyers – design (about school & netchem)
- poster - design
- promo material (bags, notebooks, pencils, id cards, brochure about netchem - design)

- brochure about netchem – text ???
• To create List of e-mails of Scientific, Organisation and Honorific Committee for Summer school