

ID: 123
Submitted: 2019-04-22 18:26:48

Jelena Radonić
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Partner: 7 – University of Novi Sad

Agilent Technologies series 1290 Infinity HPLC with DAD

Request description:

Type: University **How many:** 5 or less

First test date 2019-01-28 **Time** 10:00

Second test date 2019-01-29 **Time** 10:00

Remote date 2019-01-31 **Time** 10:00

How long 1-2 hours

Science background Chemistry|Engineering **Level** BSc

Team Viewer yes **Install** No, it will be installed before the remote test

Skype no **Install**

Sample type

Naproxen in aqueous solution

Sample mail

-

Learn objectives:

- To introduce the basic principles of the adsorption process, as well as the process of synthesis and practical using of an alternative adsorption media, to the students.
- To train students in using chromatography in order to quantify residues of pollutants before and after the treatment.

ID: 100
Submitted: 2019-04-04 17:57:34

Milica Brankovic
University of Nis, Faculty of Sciences and Mathematics
Niš, Serbia
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Partner: 1 – University of Niš

GC-MS

Request description:

Type: University **How many:** More than 25

First test date 2019-05-06 **Time** 10:00

Second test date 2019-05-13 **Time** 11:00

Remote date 2019-05-27 **Time** 13:00

How long 30 min to 1 hour

Science background Chemistry **Level** BSc

Team Viewer no **Install**

Skype yes **Install**

Sample type

Pesticide in organic fruit extract\n

Sample mail

/

Learn objectives:

Learn about principles of gas chromatography/mass spectrometry as analytical technique\n\nGain experience in GC-MS usage: interpret obtained chromatogram and mass spectra\n

ID: 92
Submitted: 2019-04-03 12:46:28

Emilija Pecev-Marinkovic
University of Nis, Faculty of Sciences and Mathematics
Niš, Serbia
emapecev@medianis.net

Partner: 1 – University of Niš

UV-VIS

Request description:

Type: University **How many:** 10 to 20

First test date 2019-04-08 **Time** 11:00

Second test date 2019-04-22 **Time** 11:00

Remote date 2019-05-13 **Time** 11:00

How long 30 min to 1 hour

Science background Chemistry **Level** BSc

Team Viewer no **Install**

Skype yes **Install**

Sample type

solutions of iodine in CCl₄ (10 cm³) will record
solutions of Dioxane (5M, 8M, 9M) will record
Immediately before recording the solutions, they will be mixed and recorded on UV-VIS spectrophotometer.

Sample mail

The solutions will be prepared immediately before use. Immediately before recording the solutions, they will be mixed and recorded on UV-VIS spectrophotometer.

Learn objectives:

In this experiment, the observers absorption spectrum which is constructed between a base of one of a Lewis (dioxane) and various amount of iodine of a Lewis acid.
Students will learn about UV-VIS spectrophotometry and they will see some spectra.

ID: 87
Submitted: 2019-03-26 16:56:32

Ivana Ivancev-Tumbas
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Novi Sad, Serbia
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Partner: 3 – University of Greenwich

Thermogravimetric Analysis (TGA) TA Instruments Q50000 IR

Request description:

Type: University **How many:** 10 to 20

First test date 2019-03-19 **Time** 17:00

Second test date 2019-03-26 **Time** 17:00

Remote date 2019-04-04 **Time** 16:00

How long 1-2 hours

Science background Chemistry|Physics **Level** MSc|PhD

Team Viewer yes **Install**

Skype no **Install**

Sample type

host will show own samples

Sample mail

no

Learn objectives:

to get knowledge about TGA, principles, application and handling of the instrument

ID: 79
Submitted: 2019-02-20 08:38:00

Ivana Ivancev-Tumbas
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Novi Sad, Serbia
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Partner: 4 – Brno University of Technology

Pegasus III (IVD)

Request description:

Type: University **How many:** 10 to 20

First test date 2019-02-18 **Time** 11.30

Second test date 2019-02-19 **Time** 13.30

Remote date 2019-02-20 **Time** 17.00

How long 1-2 hours

Science background Chemistry **Level** PhD|Unknown or mixed audience

Team Viewer yes **Install**

Skype no **Install**

Sample type

any environmental relevant as a demonstration if possible

Sample mail

no

Learn objectives:

to learn principles of GC/MS-TOF analysis, by presentation of theoretical background, some example results and if possible basic demonstration. The activity will be held as an example of On-line lecture during round table of future professionals to teach them how to use NETCHEM platform and show WARIAL possibility

ID: 78
Submitted: 2019-02-18 11:23:56

Daniela Šojić Merkulov
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Partner: 7 – University of Novi Sad

UFLC Shimadzu with DAD detector

Request description:

Type: University	How many:
First test date 2018-11-15	Time 09.00
Second test date 2018-11-22	Time 13.00
Remote date 2018-12-28	Time 18.00
How long 1-2 hours	
Science background Chemistry	Level MSc
Team Viewer yes	Install
Skype no	Install

Sample type

Pesticides.

Sample mail

Samples obtained after photodegradation degradation of herbicide mesotrione were analyzed using HPLC-DAD technique.\n

Learn objectives:

To show students principle of removal of selected pesticide from water by using heterogeneous photocatalysis.\nTo train students how to measure concentration of organic pollutant before and during the treatment of heterogeneous photocatalysis using UFLC-DAD technique.\n

ID: 77
Submitted: 2019-02-06 11:47:54

Biljana Abramović
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Partner: 4 – Brno University of Technology

Pegasus III (IVD) | EVOQ GC-TQ™ System

Request description:

Type: University	How many: 5 to 10
First test date 2019-02-25	Time 11:00
Second test date 2019-03-11	Time 11:00
Remote date 2019-03-18	Time 11:00
How long 1-2 hours	
Science background Chemistry	Level PhD
Team Viewer yes	Install
Skype yes	Install
Sample type	
NO	
Sample mail	
NO	
Learn objectives:	
NO	

ID: 75
Submitted: 2019-02-04 12:39:59

Daniela Šojić Merkulov
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Partner: 4 – Brno University of Technology

EVOQ GC-TQ™ System

Request description:

Type: University	How many: 5 to 10
First test date 2019-02-18	Time 11.00
Second test date 2019-02-18	Time 11.00
Remote date 2019-02-25	Time 11.00
How long 1-2 hours	
Science background Chemistry	Level High school BSc
Team Viewer yes	Install
Skype no	Install

Sample type

Organic compounds (pesticides, pharmaceuticals).

Sample mail

No.

Learn objectives:

GC using and application in determination of organic compounds.

ID: 69
Submitted: 2019-01-18 18:47:38

Emilija Pecev -Marinkovic
Faculty of Sciences and Mathematics University of Nis
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Partner: 1 – University of Niš

UV-VIS

Request description:

Type: University **How many:** 5 to 10

First test date 2019-01-25 **Time** 11:00

Second test date 2019-01-29 **Time** 09:00

Remote date 2019-01-30 **Time** 09:00

How long 30 min to 1 hour

Science background Chemistry **Level** High school

Team Viewer no **Install**

Skype yes **Install** No, it will be installed before the remote test

Sample type

It will be analysed the solutions on UV-Vis spectrophotometer with aim to see catalytic effects od ions: Cu(II) and Co(II).

Sample mail

The mixture of buffer (pH=9,66), sulfanilic acid, hydrogen-peroxide will be recorded on UV-Vis spectrophotometer. In second step the same mixture will bw added Co(II) ion and it will be recorded again to see catalytic effect of metal.

Learn objectives:

The aim of this work is to explain the catalytic effects of Co(II) and Cu(II) ions in soe indicatory reactions. The same to see effect of temperature on the reaction rate on both reactions. After that the thermodynamic parameters will be calculated: activation energy, rate constant, enthalpy, entropy and Gibbs free energy.

ID: 64
Submitted: 2019-01-11 10:52:25

Dejan Orčić
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Novi Sad, Serbia
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Partner: 7 – University of Novi Sad

Agilent Technologies series 1200 HPLC with DAD and series 6410 electrospray ionization triple-quad tandem MS

Request description:

Type: University **How many:** 5 or less

First test date 2019-01-14 **Time** 10:00

Second test date 2019-01-14 **Time** 10

Remote date 2019-01-15 **Time** 10:00

How long 3 hours

Science background Chemistry **Level** MSc

Team Viewer yes **Install**

Skype no **Install**

Sample type

chamomile extract, flavonoids standards

Sample mail

-

Learn objectives:

- to provide the students with practical skills in using Agilent MassHunter Qualitative Analysis software for processing results from Agilent 1200 series HPLC / Agilent 6410 ESI-QqQ MS/MS instrument
- to demonstrate the process of unknown compound structure elucidation based on UV/VIS and ESI-MS/MS spectral features
- to provide insight into manual optimization of parameters for quantitative LC-MS/MS analysis

ID: 62
Submitted: 2019-01-11 10:21:28

Majlinda Vasjari
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Tirana, Albania
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Partner: 7 – University of Novi Sad

Ion Chromatography Dionex IC 3000

Request description:

Type: University	How many:
First test date 2019-05-13	Time 11a.m.
Second test date 2019-05-20	Time 11 a.m.
Remote date 2019-05-27	Time 11 a.m.
How long 30 min to 1 hour	
Science background Chemistry	Level MSc
Team Viewer yes	Install
Skype yes	Install

Sample type

Determination of anions (Cl-, SO₄²⁻, NO₃⁻, etc.,) in water samples

Sample mail

No

Learn objectives:

Development of potentiometric sensors for determination of anions, and compare those methods with alternative-routine ones for determination of anions.

ID: 60
Submitted: 2019-01-08 11:33:58

Loreta Vallja
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Partner: 1 – University of Niš

GC-MS

Request description:

Type: University **How many:** 10 to 20

First test date 24.05.2018 **Time** 10.00

Second test date 6.11.2018 **Time** 13.00

Remote date 2019-01-30 **Time** 11.00

How long 1-2 hours

Science background Chemistry **Level** MSc

Team Viewer yes **Install**

Skype yes **Install**

Sample type
Blood sample

Sample mail
No

Learn objectives:

In this laboratory work, student will: \n1. Learn an alternative method for the determination of blood urea nitrogen. \n2. Get familiar with the basic steps of sample preparation.\n3. Perform tests for the estimation of blood urea nitrogen and interpret the results.

ID: 59
Submitted: 2019-01-07 21:33:12

Sonila Duka
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Partner: 7 – University of Novi Sad

Ion Chromatography Dionex IC 3000

Request description:

Type: University **How many:** 10 to 20

First test date 2018-11-07 **Time** 11.00

Second test date 2018-12-05 **Time** 11.00

Remote date 2019-02-21 **Time** 10.00

How long 30 min to 1 hour

Science background Chemistry **Level** MSc

Team Viewer yes **Install**

Skype yes **Install**

Sample type

Water sample, phosphate determination

Sample mail

No

Learn objectives:

Simultaneous determination of phosphate, nitrate, chloride and sulfate in natural waters by ion chromatography

ID: 57
Submitted: 2019-01-07 09:42:03

Nevila Broli
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Partner: 6 – University of Belgrade

Gas chromatography-mass spectrometry (GC-MS)

Request description:

Type: University **How many:** 10 to 20

First test date 2018-05-24 **Time** 10:00

Second test date 2018-11-19 **Time** 12:00

Remote date 2019-02-25 **Time** 12:00

How long 30 min to 1 hour

Science background Chemistry **Level** MSc

Team Viewer no **Install**

Skype yes **Install**

Sample type

I would like to analyze environmental sample, water sample

Sample mail

No

Learn objectives:

I want to see how the apparatus GC-MC functions for the determination of phenol in water sample. This as a comparative method for the determination of phenol with electrochemical biosensors.

ID: 56
Submitted: 2019-01-07 09:28:36

ALMA SHEHU
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Partner: 6 – University of Belgrade

X-ray fluorescence spectrometry (XRF)

Request description:

Type: University	How many: 10 to 20
First test date 2018-05-24	Time 10:00 AM
Second test date 2018-11-21	Time 11:00 AM
Remote date 2019-02-20	Time 11:00 AM
How long 30 min to 1 hour	
Science background Chemistry	Level MSc
Team Viewer no	Install
Skype yes	Install

Sample type

Solid samples like soils, sediments or minerals.

Sample mail

No, I would prefer the laboratory routine samples.

Learn objectives:

Basic functioning of the instrument.\nMain parts of the instrument\nSample treatment process\nDemonstration of measurements on real samples\n\n

ID: 45
Submitted: 2018-12-21 14:50:07

Konstantin Ilijević
Faculty of Chemistry University of Belgrade
Belgrade, Serbia
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Partner: netchemN@mmilan.com

instrument1

Request description: I would like to access WD-XRF instrument during theoretical laboratory exercises in order to demonstrate students how they can determine detection limit of the instrument.

Type: University **How many:** 5 or less

First test date 2018-12-25 **Time** 15:00

Second test date 2018-12-26 **Time** 15:00

Remote date 2019-01-15 **Time** 17:00

How long 30 min to 1 hour

Science background Chemistry **Level** BSc

Team Viewer yes **Install**

Skype yes **Install**

Sample type

Blank samples

Sample mail

We shall deliver them in person

Learn objectives:

Objective is to demonstrate students how to determine detection limit on practical example.

ID: 40
Submitted: 2018-12-03 10:00:46

Ivana Ivancev-Tumbas
University of Novi Sad
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Partner: 7 – University of Novi Sad

AAAnalyst 700 Atomic Absorption Spectrometer | Ion Chromatography Dionex IC 3000

Request description:

Type: University **How many:** 5 or less

First test date 2018-12-27 **Time** 9h

Second test date 2018-12-28 **Time** 9h

Remote date 2018-12-27 **Time** 9h

How long 3 hours

Science background Chemistry **Level** MSc

Team Viewer yes **Install**

Skype no **Install**

Sample type

water samples- welcome to lab and explanation how work looks like

Sample mail

no

Learn objectives:

to get familiar with instruments, parts, handling

ID: 39
Submitted: 2018-12-03 09:41:58

Ivana Ivancev-Tumbas
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Partner: 7 – University of Novi Sad

Total organic carbon analyzer (LiquiTOC II, Elementar)

Request description:

Type: University	How many: 5 or less
First test date 2018-12-26	Time 12h
Second test date 2018-12-27	Time 9h
Remote date 2018-12-26	Time 12h
How long 30 min to 1 hour	
Science background Chemistry	Level MSc
Team Viewer no	Install
Skype yes	Install

Sample type

it is just lecture for water sample analysis of Humic acid

Sample mail

they will be ready in lab

Learn objectives:

to teach student about work in TOC lab and to be train for TOC analysis