

Student research group on phytochemistry

Academic year 2017-2018

Acronym: **PHYTOCHEM**

Research team:

Group coordinators: Senior lecturer Laczkó-Zöld Eszter PhD and Senior lecturer Varga Erzsébet PhD

Ștefănescu Ruxandra PhD student

Technician Balizs Attila

Contact:

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Research topics:

- Analysis of hydrophilic and lipophilic compounds extracted from herbal drugs and berries with antioxidant capacity
- Critical evaluation of dietary supplements from Romanian market
- Phytochemical, microbiological and pharmacological study of some medicinal plants
- Phytochemical analysis of polyphenolic compounds from *Vaccinium* species

Students currently involved in PHYTOCHEM research group:

5 th Year of study, Pharmacy	4 th Year of study, Pharmacy	1 st Year of study, Pharmacy
Fábián Adélka Gál Amália Hajdó Helga Móni Melánia Papp Bernadett Sándor Adél Kiráľ Rebeka Komlósi Andrea Szabó Dalma Űlkei Timea Blaș Iulia Dulău Carina Trifu Flavia	Pál Emőke Schmidt Ibolya Szövérfi Beáta Péterfi Orsolya Bacsadi Blanka Demeter Eszter Ferencz Elek Kovács Irén Lőrincz Orsolya Negroiú Ancuța Ciocan Ana Iuonuț Laura	Péterfi Orsolya

Relevant research infrastructure:

UV/VIS Spectrophotometer, HPLC-DAD, microscopy

Relevant abstracts with student's contribution (*student):

1. **Bacsadi Blanka***: Castravete amar cultivat în România (*Momordica charantia* L.) – contribuții la studiul farmacognostic. Abstract în Buletin de Științe Medicale, 2017, 90 (suppl.1), pp. 157. Coordonator: dr. Laczkó-Zöld Eszter. Conferința Științifică Studentească, 29 martie - 1 aprilie 2017, Țirgu Mureș.
2. **Komlósi Andrea***, **Űlkei Timea***: Compușii polifenolici, activitatea antioxidantă și analiza microscopică a unor fructe de *Ribes*. Abstract în Buletin de Științe Medicale, 2017, 90 (suppl.1), pp. 158. Coordonator: dr. Laczkó-Zöld Eszter. Conferința Științifică Studentească, 29 martie - 1 aprilie 2017, Țirgu Mureș.
3. Varga E, **Schmidt I***, **Szövérfi B***, Fazakas M: Determination and comparison of phenolic compounds of medicinal plants and veterinary herbal medicines. Book of Abstracts of the 7th BBBB International Conference on Pharmaceutical Sciences, Acta Pharmaceutica Hungarica, 2017, 87 (3-4), pp. 172-173.
4. Ferencz Adél, Boros Katinka, Kovács Erika, **Komlósi Andrea***, Varga Erzsébet, Papp Nóra: Etnofarmakobotanikai felmérés Homoródszentmárton környékén. Abstract. Buletin de Științe Medicale, 2017, 90, suppl.2, pp.17.
5. **Fábián Adélka***, Schulte Sonja, Varga Erzsébet: Spagyrika, mint a kiválsztó készülek megbetegedéseiben használt gyógymód. Abstract. Buletin de Științe Medicale, 2017, 90, suppl.2, pp.14.
6. Laczkó-Zöld Eszter, **Komlósi Andrea***, **Űlkei Timea***, Fogarasi Erzsébet, Croitoru Mircea Dumitru, Fülöp Ibolya, Domokos Erzsébet, Varga Erzsébet: Profilul polifenolic și activitatea antioxidantă a unor fructe de *Ribes*. Abstract. Buletin de Științe Medicale, 2017, 90, suppl.2, pp.33.
7. Erzsébet Varga, **Bernadett Papp***, Mircea Dumitru Croitoru, Erzsébet Májai Fogarasi, Ibolya Fülöp, Erzsébet Domokos, Eszter Laczkó-Zöld: Phenolic compounds and antioxidant potential of *Crataegus monogyna* fruits from Romania. Abstract at The 21th International Congress Phytopharm, 2-5 July 2017, Graz, Austria. Reviews on Clinical Pharmacology and Drug Therapy, 2017, vol.15, suppl.1. pp.74.
8. Laczkó-Zöld Eszter, Májai Fogarasi Erzsébet, **Komlósi Andrea***, Ștefănescu Ruxandra, Eșianu Sigrid, Varga Erzsébet: Antioxidant activity and phenolic compounds in fruits of *Prunus spinosa* (blackthorn), Abstract at The National Congress of Pharmacy from Romania, Bucharest, 28th September – 1st October 2016.
9. Varga Erzsébet, Croitoru Mircea Dumitru, Májai Fogarasi Erzsébet, Fülöp Ibolya, Domokos Erzsébet, **Komlósi Andrea***, Laczkó-Zöld Eszter: Identification of polyphenolic compounds from some berries by RP-HPLC method. Abstract at 22nd International Conference on Chemistry, Timisoara, November 3-6, 2016
10. **Andrea Komlósi***, Eszter Laczkó-Zöld, Erzsébet Májai Fogarasi, Erzsébet Domokos, Mircea Croitoru, Ibolya Fülöp, Erzsébet Varga: Polyphenolic profile and antioxidant activity of blackcurrant (*Ribes nigrum* L.) fruits, Acta Medica Marisiensis, 2016, 62, supl.8, 80.