

Curriculum vitae



Personal information

First name / Surname **Adriana TRIFAN**
Address (es) 31, Tudor Vladimirescu Avenue, 700305, Iași,
Romania
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E-mail adriana.trifan@umfiasi.ro, adriana_trifan@yahoo.com

Nationality Romanian
Date of birth 16.12.1984
Gender female

Desired employment / Occupational field

Work experience

Dates March 2009-present
Occupation or position held Assistant Professor– Department of Pharmacognosy,
University of Medicine and Pharmacy „Grigore T.
Popa” Iasi
Main activities and
responsibilities Teaching and research activities
Name and address of employer University of Medicine and Pharmacy „Grigore T.
Popa” Iasi
16, Universității Street, 700117, Iași
Type of business or sector education

Education and training

Dates May 2014-December 2015
Title of qualification awarded Post-doctoral position (awarded through open
competition)
Principal subjects /
occupational skills covered Pharmacy; project entitled: “Screening of antioxidant
and antitumor activities of algae species inhabiting
the Romanian Black Sea coast”

Name and type of organisation providing education and training	University of Medicine and Pharmacy „Grigore T. Popa” Iasi; project no. POSDRU/159/1.5/136893, under the frame of European Social Found, Human Resources Development Operational Programme 2007-2013
Level in national or international classification	ISCED 6, field of study 72
Dates	2008-2012
Title of qualification awarded	Ph. D. in Medical Sciences, Pharmaceutical Domain, diploma series H, no. 0015844/ April 2013
Principal subjects / occupational skills covered	Pharmacognosy; dissertation thesis entitled “Contributions to the pharmacognostic and biological study of some medicinal plants cultivated in the Moldavian Subcarpathians: assessment of chemical variability”
Name and type of organisation providing education and training	University of Medicine and Pharmacy „Grigore T. Popa” Iasi
Level in national or international classification	ISCED 6, field of study 72
Dates	2009-2012
Title of qualification awarded	Specialist pharmacist
Principal subjects / occupational skills covered	Pharmaceutical Laboratory, diploma series S1, no. 012206/ January 2012
Name and type of organisation providing education and training	Ministry of Health / National Training Center
Level in national or international classification	ISCED 6, field of study 72
Dates	2009-2010
Title of qualification awarded	Master Degree, diploma series I, no. 0024673/ November 2011
Principal subjects / occupational skills covered	Pharmacy-Pharmacognosy
Name and type of organisation providing education and training	Ministry of Education/ University of Medicine and Pharmacy „Grigore T. Popa” Iasi
Level in national or international classification	ISCED 6, field of study 72
Dates	2003-2008
Title of qualification awarded	Pharmacist
Principal subjects / occupational skills covered	Pharmacy, diploma series A1, no. 0258961/995, September 2009
Name and type of organisation providing education and training	Ministry of Education/ University of Medicine and Pharmacy „Grigore T. Popa” Iasi
Level in national or international classification	ISCED 6, field of study 72

Dates September 2006-August 2007
 Title of qualification awarded Erasmus scholarship
 Principal subjects / occupational skills covered Pharmacy
 Name and type of organisation providing education and training U.F.R. de Sciences Pharmaceutiques de l'Université de Nantes, France
 Level in national or international classification ISCED 6, field of study 72

Competences chemical study of vegetal extracts/compounds by spectrophotometric and chromatographic methods (high-performance liquid chromatography with UV-VIS detection, gas-chromatography coupled with flame ionization and mass spectrometric detection),
 isolation of pure constituents from plant extracts by different chromatographic techniques (open column chromatography, semipreparative high performance liquid chromatography, preparative thin-layer chromatography),
 assessment of antioxidant potential of vegetal extracts/compounds by *in vitro* assays (DPPH, ABTS, superoxide, hydroxyl radicals and nitric oxide scavenging assays, reducing power assay, ferrous ions chelating assay, lipid peroxidation inhibition assay, 15-lipoxygenase inhibition assay).

Foreign languages (s)

Self-assessment

European level (*)

French()**

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing	
C1	Competent user	C1	Competent user	C1	Competent user	C1	Competent user	C1	Competent user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) *Common European Framework of Reference for Languages*

(**) *DALF C1- diplôme approfondi de langue française, competent user*

Social skills and competences

Communicative spirit and teamwork skills

Organisational skills and competences

Organisation of scientific local and national meetings/symposiums

Technical skills and competences

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Computer skills and competences

Average skills: Windows, Microsoft Office-Word, Excel, Powerpoint

Artistic skills and competences

Music and photography

Other skills and competences

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Driving licence	B category
Additional information	References: Prof. Dr. Anca Miron, University of Medicine and Pharmacy „Grigore T. Popa” Iasi Prof. Dr. Ilioara Oniga, University of Medicine and Pharmacy „Iuliu Hatieganu” Cluj-Napoca Prof. Dr. Monica Hăncianu, University of Medicine and Pharmacy „Grigore T. Popa” Iasi
Annexes	Annex 1 – Papers published in ISI journals Annex 2 – Papers published in journals indexed in International Scientific Databases Annex 3 – Research projects (member in research team) Annex 4 – Short lectures Annex 5 – Conference abstracts Annex 6 – Posters

Annex 1 – Papers published in ISI journals

- Essential oils from *Apiaceae* as valuable resources in neurological disorders: *Foeniculi vulgare aetheroleum*.** Cioanca O., Hancianu M., Mircea C., Trifan A., Hritcu L. *Ind Crop Prod* 2016; 88:51-57. (IF=2.837)
- Antigenotoxic and antioxidant activities of a polyphenolic extract from European *Dracocephalum moldavica* L.** Aprotosoiaie A.C., Mihai C.T., Voichita G., Rotinberg P., Trifan A., Luca S.V., Petreus T., Gille E., Miron A. *Ind Crop Prod* 2016; 79: 248-256. (IF=2.837)
- Chemical composition and antioxidant activity of essential oil from Romanian *Satureja montana* L.** Trifan A., Aprotosoiaie A.C., Brebu M., Cioanca O., Gille E., Hancianu M., Miron A. *Farmacia* 2015; 63 (3): 413-416. (IF=1.005)
- Heavy metal content in macroalgae from Roumanian Black Sea.** Trifan A., Breaban I.G., Sava D., Bucur L., Toma C.C., Miron A. *Rev. Roum. Chim.*, 2015, 60 (9): 915-920. (IF=0.331)
- In vitro* – *in vivo* correlation of the antioxidant capacity of *Salviae aetheroleum*.** Cioanca O., Mircea C., Hritcu L., Trifan A., Mihasan M., Aprotosoiaie A.C., Robu S., Gille E., Hancianu M. *Farmacia* 2015; 63 (1): 34-39. (FI 1.005)
- Inhalation of coriander volatile oil increased anxiolytic-antidepressant-like behaviors and decreased oxidative status in β -amyloid (1-42) rat model of Alzheimer’s disease.** Cioanca O., Hritcu L., Mihasan M., Trifan A., Hancianu M. *Physiol Behav* 2014; 131: 68–74. (IF=3.16)
- Radionuclides content in some medicinal plants commonly used in Romania.** Oprea E., Pintilie V., Bufnea V., Aprotosoiaie A.C., Cioanca O., Trifan A., Hancianu M. *Farmacia* 2014, 62 (4): 658-663. (IF=1.251)
- Can phytochemicals be a bridge to develop new radioprotective agents?** Aprotosoiaie A.C., Trifan A., Gille E., Petreus T., Bordeianu G., Miron A. *Phytochem Rev* 2014; 14: 555-566. (IF=2.407)
- Comparative efficacy of *Ocimum sanctum* and *Ocimum basilicum* volatile oils against beta (1-42)-induced anxiety and depression in laboratory rats.** Gradinariu V., Cioanca O., Hritcu L., Gille E., Trifan A., Hancianu M. *Phytochem Rev* 2014; 14: 567-575. (IF=2.407)
- Helichrysum arenarium* subsp. *arenarium*: phenolic composition and antibacterial activity against lower respiratory tract pathogens.** Gradinaru A.C., Silion M., Trifan A., Miron A., Aprotosoiaie A.C. *Nat Prod Res* 2014; 28 (22): 2076-2080. (IF=1.225)

11. **Chemical and antioxidant studies on *Crataegus pentagyna* leaves and flowers.** Giurescu Bedreag C.F., **Trifan A.**, Bucur L.A., Arcus M., Tebrencu C., Miron A., Costache I.I. *Rom Biotech Lett* 2014; 19 (6): 9859-9867. (IF=0.363)
12. **Interactions between cardamom essential oil and conventional antibiotics against *Staphylococcus aureus* clinical isolates.** Gradinaru A.C., Aprotosoiaie A.C., **Trifan A.**, Spac A., Brebu M., Miron A. *Farmacia* 2014; 62 (6): 1214-1222. (IF=1.005)
13. **In vitro study on the antioxidant activity of a polyphenol-rich extract from *Pinus brutia* bark and its fractions.** Cretu E., Karonen M., Salminen J.K., Mircea C., **Trifan A.**, Charalambous C., Constantinou A., Miron A. *J Med Food* 2013; 16 (11): 984-991. (IF=1.642)
14. **Phytotoxicity assessment of polyphenolic extracts from *Carum carvi* L. fruits.** **Trifan A.**, Miron A., Aprotosoiaie A. C., Hancianu M., Cioanca O., Gille E., Stanescu U. *Farmacia* 2013; 61 (1): 12-19. (IF=1.251)
15. **Contributions to the chemical study of the essential oil isolated from coriander (*Omagiu cultivar*) fruits.** **Trifan A.**, Aprotosoiaie A.C., Spac A., Hancianu M., Miron A., Stanescu U. *Farmacia* 2012; 60 (2): 177-183. (IF=0.578)

Annex 2 – Papers published in journals indexed in International Scientific Databases

1. **Isolation, characterization and antioxidant activity of the crude polysaccharide from *Phyllophora pseudoceranoides*.** **Trifan A.**, Sava D., Bucur L., Vasincu A., Vasincu I., Aprotosoiaie A.C., Cioanca O., Miron A. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2015; 119 (2): 603-609.
2. **Polyphenol-rich extract from *Pinus sylvestris* L. bark-chemical and antitumor studies.** Amalinei R.L., **Trifan A.**, Cioanca O., Miron S.D., Mihai C.T., Rotinberg P., Miron A. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2014, 118 (2): 551-557.
3. **In vitro screening of *Crataegus succulenta* extracts for free radical scavenging and 15-lipoxygenase inhibitory activities.** Bedreag C.F., **Trifan A.**, Vasincu A., Miron S.D., Aprotosoiaie A.C., Miron A. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2014, 118 (2): 544-550.
4. **Screening of antibacterial effects of anise essential oil alone and in combination with conventional antibiotics against *Streptococcus pneumoniae* clinical isolates.** Gradinaru A.C., Miron A., **Trifan A.**, Spac A., Brebu M., Aprotosoiaie A.C. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2014, 118 (2): 537-543.
5. **The chemical composition of essential oils isolated from sweet fennel fruits available as herbal tea products.** Aprotosoiaie A.C., Spac A., Cioanca A., **Trifan A.**, Miron A., Hancianu M. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2013, 117 (3): 819-824.
6. **15-Lipoxygenase inhibition, superoxide and hydroxyl radicals scavenging activities of *Cedrus brevifolia* bark extracts.** Cretu E., **Trifan A.**, Aprotosoiaie A.C., Miron A. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2013, 117 (1): 250-256.
7. **The polyphenolic content of common *Lamiaceae* species available as herbal tea products in Romanian pharmacies.** Aprotosoiaie A.C., Raileanu E., **Trifan A.**, Cioanca O. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2013, 117 (1): 233-237.
8. **Plant-derived anticancer agents - curcumin in cancer prevention and treatment.** Cretu E., **Trifan A.**, Vasincu A., Miron A. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2012, 116 (4), 1223-1229.
9. **Contributions to the chemical study of the essential oil isolated from caraway fruits.** **Trifan A.**, Aprotosoiaie A.C., Spac A., Cioanca O., Drutu C., Stanescu U. *Medicine in Evolution*, 2012; XVII (1): 202-207.
10. **Phytotoxicity assessment of methanolic extracts from *Coriadrum sativum* L. fruits.** **Trifan A.**, Miron A., Aprotosoiaie A.C., Hancianu M., Cioanca O., Gille E., Stănescu U. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2012; 116 (3): 920-926.

11. **Contributions to the chemical study of the essential oil isolated from coriander fruits (Sandra cultivar). Trifan A.** Aprotosoae A. C., Spac A., Hancianu M., Miron A., Stanescu U. *Rev. Med. Chir. Soc. Med. Nat., Iasi* 2011; 115 (4): 1271-1277.
12. **Contributions to the comparative study of the antioxidant potential of some extracts obtained from camomile flowers.** Cioanca O., Miron A., Hancianu M., Aprotosoae A.C., **Trifan A.**, Stanescu U. *Rev. Med. Chir. Soc. Med. Nat., Iasi* 2009; 113(4): 1274-1279.
13. **Contributions to the study of the chemical variability of some *Galium album* Mill. populations harvested from wild flora from the northern Moldavia.** Hemcinschi A., Gille E., **Trifan A.**, Necula R , Stanescu U. *Rev. Med. Chir. Soc. Med. Nat., Iasi* 2009; 113 (4): 1280-1284.

Annex 3 – Research projects (member in research team)

1. **SCOPES (Scientific co-operation between Eastern Europe and Switzerland) 2013-2016: Joint Research Projects: Capitalization of the natural potential of several medicinal and aromatic species in the *Artemisia* genus with economic and ecological value in Moldova** (Project REART, No. IZ73Z0_152265). Coordinator: Dr. Xavier Simonnet (Swiss Research Institute For Aromatic And Medicinal Plants, Conthey, Switzerland); duration: May 2014 - April 2017.
2. **Bilateral cooperation Romania – Republic of Moldova (PN-II-CT-RO-MD-2012-1): Evaluation and characterization of genetic resources from Lamiaceae species with potential anti-inflammatory properties, their in situ and ex situ conservation** (contract no. 694/2013). Coordinator: Dr. Doina Danila; duration: January 2013 - December 2014.
3. **Bilateral cooperation Romania – Slovakia (PN-II-CT-SK-RO-0002-12): Monitoring of anthocyanins content in selected plant species and determination of their antioxidant activity** (contract nr. 657/2013). Coordinator: Prof. dr. Monica Hăncianu; duration: January 2013 - December 2014.
4. **Internal Research Grant of University of Medicine and Pharmacy “Grigore T. Popa” Iasi (Innovation): Investigations on the radioprotective potential of some vegetal extracts** (contract no. 1639/2013). Coordinator: Lecturer Dr. Ana Clara Aprotosoae; duration: January 2013 - December 2015.
5. **Internal Research Grant of University of Medicine and Pharmacy “Grigore T. Popa” Iasi (Young Reseachers): In vivo neuroprotective effects of essential oils rich in monoterpene alcohols** (contract no. 1642/2013). Coordinator: Lecturer dr. Oana Cioanca; duration: January 2013 - December 2014.

Annex 4 – Short lectures

1. **Phenolic profile, antioxidant and antitumor of conifer bark extractives.** Miron A., Salminen J.K., Karonen M., cretu E., Mihai C.T., Aelenei P., **Trifan A.**, Aprotosoae A.C. *2nd International Conference on Natural Products Utilization - From Plants to Pharmacy Shelf.* 14-17 October, 2015, Plovdiv, Bulgaria.
2. **Extractive fractions with antioxidant activity from *Cedrus brevifolia* bark.** Cretu E., **Trifan A.**, Karonen M., Salminen PK., Aprotosoae AC. Miron A. *National Congress of Pharmacy from Romania*, XVth edition, 24-27 September 2014, Iasi, Romania.
3. **Comparative efficacy of *Ocimum sanctum* and *Ocimum basilicum* volatile oils against beta (1-42)-induced anxiety and depression in laboratory rats.** Gradinariu V., Cioanca O., Hritcu L., Gille E., **Trifan A.**, Hancianu M. *Phytochemicals in medicine and pharmacognosy*, 27-30 April 2014, Piatra Neamt, Romania.
4. **Interactions between *Trachyspermum ammi* essential oil and conventional antibiotics against some clinical isolates of resitant pathogenes.** Aprotosoae A.C., Grădinaru A.C., **Trifan A.**, Spac A.F., Brebu M., Miron A. *National Congress of Pharmacy from Romania*, XVth edition, 24-27 September 2014, Iasi, Romania.

5. **Characterization and screening of in vitro antioxidant potential of selected extracts from elderberry fruits harvested from Romania and Slovakia.** Cioanca O., Mircea C., **Trifan A.**, Salamon I., Grulova D., Mardari C., Barsan C., Hancianu M. *National Congress of Pharmacy from Romania*, XVth edition, 24-27 September 2014, Iasi, Romania.

Annex 5 – Conference abstracts

1. **In vitro antioxidant activity, phenolic content and profile of *Cystoseira barbata* from Romanian Black Sea.** **Trifan A.**, Bucur L., Sava D., Cioanca O., Hancianu M., Miron A. *Planta Med* 2015; 81 (16), PM_180.

2. **Synergistic effects of *Helichrysi flos* extract in combination with ciprofloxacin against lower respiratory tract pathogens.** Miron A., Gradinaru A.C., **Trifan A.**, Hancianu M., Aprotosoae A.C. *Planta Med* 2015; 81 (16), PM_146.

3. **In vivo neurobiological activity of inhaled juniper essential oil.** Cioanca O., Hritcu L., **Trifan A.**, Mircea C., Hancianu M. *Planta Med* 2015; 81 (16), PM_124.

4. **Effects of *Melissa officinalis* hydromethanolic extract on DNA damage induced by bleomycin in normal human dermal fibroblasts.** Aprotosoae A.C., Mihai C.T., Voichita G., Rotinberg P., **Trifan A.**, Gille E., Petreus T., Costache I.I., Miron A. *Planta Med* 2015; 81 (16), PM_164.

5. **Chemical variability of some natural populations of *Ajuga sp.* from the north-eastern part of Romania.** Hemcinschi A., Gille E., Necula R., Danila D., **Trifan A.**, Stanescu U. *Planta Medica* 2009, 75 (9), PB13.

6. **Effect of planting density on yield and essential oil composition of coriander (*Coriandrum sativum* L.) Sandra variety.** **Trifan A.**, Aprotosoae A.C., Spac A., Gille E., Hancianu M., Miron A., Stanescu U. *Acta Medica Marisiensis*, 2010, 56 (2), P54.

Annex 6 – Posters

1. **Phenolics profile and biological potential of organically and wild blueberries populations from Eastern Carpathians in Romania.** Dorneanu R., Cioanca O., Trifan A., Mircea C., Hancianu M. *15th International Multidisciplinary Scientific GeoConference SGEM*, 15-22 June, 2015, Albena, Bulgaria.

2. **In vitro antioxidant activity of hydromethanolic extracts from *Origanum majorana* and *Dracocephalum moldavica* species.** Aprotosoae A.C., **Trifan A.**, Gille E., Adumitresci L., Tănase C., Miron A. *National Congress of Pharmacy from Romania*, XVth edition, 24-27 September, 2014, Iasi, Romania.

3. **Heavy metal levels in some medicinal plants commonly used in Romania.** Oprea E., Bufnea V., Aprotosoae A.C., Gradinariu V., Cioanca O., **Trifan A.**, Miron A., Ifrim C., Hancianu M. *National Congress of Pharmacy from Romania*, XVth edition, 24-27 September, 2014, Iasi, Romania.

4. **Antibacterial activity of anethole against *Streptococcus pneumoniae* and *Moraxella catharralis*.** Aprotosoae A.C., Grădinaru A.C., **Trifan A.**, Miron A. *National Congress of Pharmacy from Romania*, XVth edition, 24-27 September, 2014, Iasi, Romania.

5. **In vitro antioxidant activity of hydromethanolic extracts from Romanian *Melissa officinalis* and *Thymus vulgaris* plants.** Aprotosoae A.C., **Trifan A.**, Cioanca O., Drutu C., Adumitresci L., Miron A., Hancianu M., Petreus T., Bordeianu G. *Phytochemicals in medicine and pharmacognosy*, 27-30 April, 2014, Piatra Neamt, Romania.

6. **Can phytochemicals be a bridge to develop new radioprotective agents?** Aprotosoae A.C., **Trifan A.**, Gille E., Petreus T., Bordeianu G., Miron A. *Phytochemicals in medicine and pharmacognosy*, 27-30 April, 2014, Piatra Neamt, Romania.

6. **Antioxidant activity of coriander Sandra cultivar from Romania.** Trifan A., Miron A., Hancianu M., Gille E., Stanescu U. *7th Conference on Medicinal and Aromatic plants of Southeast European Countries*, 27-30 May, 2012, Subotica, Serbia.
7. **Researches regarding the extractability of some active principles from *Ajuga reptans* L. and *Ajuga genevensis* L.** Hemcinschi A., Gille E., Hancianu M., Trifan A., Stanescu U. **with solvents of different polarities.** *The 6th Conference on Medicinal and Aromatic Plants of Southeast European Countries*, 18-22 April, 2010, Antalya, Turkey.
8. **Chemical and antioxidant studies of some Romanian *Chamomillae flos* samples.** Cioanca O., Miron A., Hancianu M., Aprotosoiaie A.C., Trifan A., Stanescu U. *The 14th Panhellenic Pharmaceutical Congress* 9-11 May, 2009, Athens, Greece.