



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Andrei MURSA**
Address(es) Măgurei, 13, Bl. F9, 720272, Suceava (RO)
Mobile +40 756 857 468
E-mail m.andreimursa@gmail.com, andrei.mursa@usm.ro
Nationality Romanian
Date of birth September 17 1989
Gender Male

Desired employment / Occupational field

Forestry research and education

Work experience

Dates 06/10/2017 – present
Occupation or position held Research engineer
Main activities and responsibilities Forestry research and education
Name and address of employer University „Stefan cel Mare”, Universitatii 13, Ro720229, Suceava (Romania)
Type of business or sector Education and research

Education and training

Dates 15/09/2004-01/07/2009
Title of qualification awarded High School Diploma (Silviculture technician)
Principal subjects/occupational skills covered Silviculture, technical studies
Name and type of organisation providing education and training Colegiul Silvic Bucovina, RO725100, Câmpulung-Moldovenesc, Romania
Level in national or international classification High School Student
Dates 01/10/2009-01/07/2013
Title of qualification awarded Bachelor's degree in Forestry Engineer.
Principal subjects/occupational skills covered Forestry, ecology, technical studies, statistics
Name and type of organisation providing education and training University „Stefan cel Mare”, Universitatii 13, Ro720229, Suceava (Romania)
Level in national or international classification University

Dates	01/10/2013-01/17/2015																																								
Title of qualification awarded	Master degree																																								
Principal subjects/occupational skills covered	Forestry research - Biodiversity conservation and ecosystem management.																																								
Name and type of organisation providing education and training	University „Stefan cel Mare”, Universitatii 13 Ro720229, Suceava (Romania)																																								
Level in national or international classification	Master Student																																								
Dates	01/10/2015 – 01/09/2018																																								
Title of qualification awarded	-																																								
Principal subjects/occupational skills covered	Forestry, Dendrochronology, Ecology																																								
Name and type of organisation providing education and training	University „Stefan cel Mare”, Universitatii 13, Ro720229, Suceava (Romania)																																								
Level in national or international classification	PhD Student																																								
Personal skills and competences																																									
Mother tongue(s)	Romanian																																								
Other language(s)																																									
Self-assessment <i>European level (*)</i>																																									
English																																									
French																																									
	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>Independent user</td> <td>C2</td> <td>Independent user</td> <td>C1</td> <td>Independent user</td> <td>C1</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> </tr> <tr> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> <td>A2</td> <td>Independent user</td> <td>A2</td> <td>Independent user</td> <td>A1</td> <td>Independent user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C2	Independent user	C2	Independent user	C1	Independent user	C1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Independent user	A2	Independent user	A1	Independent user
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B1	Independent user	B1	Independent user	A2	Independent user	A2	Independent user	A1	Independent user																																
	(*) Common European Framework of Reference for Languages																																								
Social skills and competences	Great ability to adapt to multicultural environments, good communication skills, proactive																																								
Organisational skills and competences	Detailed planning, organized, experience in research project teams																																								
Computer skills and competences	Microsoft Office Suite, Presentation software, Spreadsheets, Data visualization, Basic R programming language, Technical design (2D/2.5D/3D - Computer-Aided Design, Computer-Aided Manufacturing), GIS, System Administration, Technical support																																								
Driving licence	A, B																																								
Additional information	Training course 23 - 26 May 2015 Operational and maintenance training course for the X-ray system - Itrax Multiscaner used to determining the annual tree-rings density. (Prof. Anders Rindby from COX Analytical Systems, SW) 11 and 14 June 2021 Blue Intensity for Dendroclimatology – virtual workshop within TRACE 2021 International conference																																								

Additional information

Conferences / Conference papers

24-27 April 2018

International conference - **TRACE 2018** „Tree Rings in Archaeology, Climatology and Ecology” co-author „Different climatic signal recorded in tree-ring widths and maximum late-wood density by *Pinus Cembra* L. in southern Carpathians, Romania” – Greifswald, Germany.

23-26 August 2018

International conference – **ATOM-N** “Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX” first co-author “Thermal potential simulation of wood biomass pellets used in energy generation” and co-author “Modeling the combustion of volatile compounds resulted from wood-based biomass pyrolysis using the CFD technique” - Constanta, Romania.

11-15 May 2016

International conference - **TRACE 2016** „Tree Rings in Archaeology, Climatology and Ecology” First-author „A 400-year long summer temperature reconstruction based on maximum density in *Pinus cembra* L. tree rings, in the Eastern Carpathian Mts., Romania” and co-author „Preliminary results on building long oak and elm dendrochronological series in Eastern Romania” - Bialowieza, Polonia

18-22 October 2016

National conference - **NatClimVar** „Natural versus anthropogenic causes of climate variability and feedback from bio-geo-chemical processes” author „Reconstruction of summer temperatures over the last 600 years based on the maximum density of *Pinus cembra* L. annual rings.” - București, Romania

28-30 September 2016

National conference - **Forum Carpaticum**, co-author “Multidirectional Analysis of a Dendrochronological Network from NE Romania in order to Build a 600 Years Chronology Used to Reconstruct Past Climate” - București, Romania

28-29 March 2014

National conference „**Atmosfera și Hidrosfera**. Cunoaștere Interdisciplinară. Manifestare, Evoluție, Valorificare, Protecție, Importanță” co-author “Assessment of the evolution trend of air temperature in the Rodnei Mountains, for the last 160 years using GIS, lake sediments and tree growth rings” – Suceava, Romania.

Annexes

List of publications and research projects:

1. Publications

1. Nagavciuc, V., Roibu, C.-C., Ionita, M., **Mursa, A.**, Cotos, M.-G. & Popa, I. (2019) *Different climate response of three tree ring proxies of Pinus sylvestris from the Eastern Carpathians, Romania*. Dendrochronologia, 54, 56-63.
2. Duduman, G.; Duduman, M.-L.; Avăcăriței, D.; Barnoaiea, I.; Barbu, C.-O.; Ciornei, I.; Clinovschi, F.; Coșofreț, V.C.; Cotos, M.-G.; Dănilă, G.; Dănilă, I.-C.; Drăgoi, M.; Flocea, M.-N.; Horodnic, S.-A.; Iacobescu, O.; Mazăre, G.C.; Măciucă, A.; **Mursa, A.**; Palaghianu, C.; Pohonțu, C.M.; Roibu, C.-C.; Savin, A.; Tomescu, C.V.; Scriban, R.-E. *A Permanent Research Platform for Ecological Studies in Intact Temperate Mountainous Forests from Slătioara UNESCO Site and Its Surroundings, Romania*. Forests **2020**, 11, 1004. <https://doi.org/10.3390/f11091004>
3. Roibu, C.-C.; Sfeclă, V.; **Mursa, A.**; Ionita, M.; Nagavciuc, V.; Chiriloaei, F.; Leșan, I.; Popa, I. *The Climatic Response of Tree Ring Width Components of Ash (*Fraxinus excelsior* L.) and Common Oak (*Quercus robur* L.) from Eastern Europe*. Forests **2020**, 11, 600.
4. Roibu, C., Wazny, T., Crivellaro, A., **Mursa, A.**, Chiriloaei, F., Știrbu, M., & Popa, I. (2021). *The Suceava oak chronology: A new 804 years long tree-ring chronology bridging the gap between central and south Europe*. Dendrochronologia, 68, . doi: 10.1016/j.dendro.2021.125856

2. Research projects

September 2013 – January 2014

Investigarea unor suprafețe de probă în păduri seculare pentru evidențierea valorii acestora și importanța lemnului mort în ecosistemele forestiere - WWF (030/FY14) – **research team member**

September 2014 – November 2014

Management forestier responsabil pentru dezvoltare durabilă în ecoregiunea Dunăre Carpați – WWF (108/FY15) - **research team member**

2014 – 2017

Forest response to climate change predicted from multicentury climate proxy-records in the Carpathian region (CLIMFOR) - **research team member / implementation team member**

2014 - 2016

Impactul acumulării metalelor grele asupra mediului și productivitatea ecosistemelor forestiere: tehnologii neconvenționale de remediere a pădurilor contaminate. PN-II-PT-PCCA-2013-4-1149 – METAFORE - **research team member**

2015

Studii științifice de specialitate (inventarii, cartări, evaluări de specii și habitate, stabilirea metodelor și protocoalelor de monitorizare, lucrări GIS etc.) aferente sitului Natura 2000 Rarău Giumalău, contract 9784/23.06.2014 - **research team member**

July 2016 – September 2016

Identificarea, cartarea și inventarierea specifică a celor mai reprezentative păduri virgine și cvasivirgine în zonele prioritare WWF - Cercetare în vederea includerii pădurilor virgine/cvasivirgine identificate în catalogul național – Contract 66/02.06/2016/FY 16 – **research team member**

April 2017 – April 2018

Identificarea, cartarea și inventarierea specifică a celor mai reprezentative păduri virgine și cvasivirgine în zonele prioritare WWF - Cercetare în vederea includerii pădurilor virgine/cvasivirgine identificate în catalogul național – Contract 66/02.06/2016/FY 16 and Contract 93/16.10.2017/FY17 – **research team member**

September 2018 – March 2019

Identificarea, cartarea și inventarierea specifică a celor mai reprezentative păduri virgine și cvasivirgine în zonele prioritare WWF – Cercetare în vederea includerii pădurilor virgine/cvasivirgine identificate în catalogul național – Contract 78/27.08/2018 – **research team member**