



## NOTICE

### BASIC INFORMATION

Position available within the research project entitled: "Redefining agro-climatic favourability zones for maize and winter wheat crops towards smart climate change-oriented agriculture in Romania", project number PN-III-P2-2.1-PED-2019-2310

**Title\*:** *Young researcher*

**Offer Description\*:** *the applicant will deal with climate historical and modeled data basis, data sets processing (R, Linux) as well as with mapping the results in ArcGIS.*

**Researcher Profiles \*:** *(se bifează opțiunea dorită)*

- First Stage Researcher (R1)  Recognised Researcher (R2)  
 Established Researcher (R3)  Leading Researcher (R4)

**Research field \*:**

**Type of Contract\*:**

**Job Status \*:**

**Hours Per Week\*:** *10*

**Application Deadline \*:** *16.10.2020, 12.00 AM*

**Envisaged Job Starting Date:** *01.11.2020*

**Is the job funded through a EU Research Framework Programme? \***

**Is the Job related to staff position within a [Research Infrastructure](#)?**

**How to Apply \*:**

**Contact person\*:** *Adina-Eliza CROITORU*

\* - Câmpuri obligatorii

E-mail address\*: adina.croitoru@ubbcluj.ro

Internal Application form needed (.pdf files) (se bifează opțiunea, dacă este cazul)

#### HIRING INFO & WORK LOCATION

Number of positions available\*:1

Company/Institute\*: Babes-Bolyai University, Faculty of Geography

Department\*: Department of Physical and Technical Geography

#### REQUIREMENTS

**Required Education Level** (se completează unul sau mai multe câmpuri, după caz)

Main Research Field\*:

Level\*:

Main Research Field\*:

Level\*:

Skills/Qualifications: MSc. Studies in the field of Climatology

Specific Requirements: working with climatic (historical and modeled) gridded databasis, working with ClimPACT 2 (R and Linux), working in GIS environment (ArcGIS)

**Required Languages** (se completează unul sau mai multe câmpuri, după caz)

Language \*

Level\*

Language \*

Level\*

**Required Research Experience** (se completează unul sau mai multe câmpuri, după caz)

Research Field \*

Years of Research Experience \*

Research Field \*

Years of Research Experience \*

**ADDITIONAL INFO**

**Website for additional job details:** [www.agroclim.ro](http://www.agroclim.ro)

**Benefits:** (câmp opțional)

**Eligibility criteria:** *PhD. Student, at least two scientific articles in scientific journals indexed in international data basis including Clarivate Analytics; one of the article should be in the topic of the project*

**Selection process:** *file analysis (50%), interview (50 %)*

**Bibliography**

1. Alexander, L.; Herold, N. ClimPACT2 Indices and Software; The University of South Wales: Sydney, Australia, 2016; Available online: <https://github.com/ARCCSS-extremes/climpact2> (accessed on 15 December 2016).
2. Bojariu R., Bîrsan M-V, Cică R, Velea L, Burcea S, Dumitrescu A, Dascălu SI, Gothard M, Dobrinescu A, Cărbunaru F, Marin L (2015), Schimbările climatice – de la bazele fizice la riscuri și adaptare, Editura Printech, București ([http://www.meteoromania.ro/anm/?page\\_id=2893](http://www.meteoromania.ro/anm/?page_id=2893))

3. Croitoru Adina Eliza, Holobaca Iulian Horia, Lazar Catalin, Moldovan Florin, Imbroane Alexandru (2012), Air temperature trend and the impact on winter wheat phenology in Romania, *Climatic Change*, 111, Issue 2, 393-410. DOI: 10.1007/s10584-011-0133-6.
4. Croitoru AE, Drignei D, Holobaca IH, Dragota CS (2012), Change-Point Analysis for Serially-Correlated Summit Temperatures in the Romanian Carpathians, *Theoretical and Applied Climatology*, 108, Issue 1-2, 9-18. DOI:10.1007/s00704-011-0508-7.
5. Croitoru AE, Piticar A, Imbroane AM, Burada DC (2013), Spatiotemporal distribution of aridity indices based on temperature and precipitation in the extra-Carpathian regions of Romania, *Theor Appl Climatol*, 112, 3-4, 597-607. DOI 10.1007/s00704-012-0755-2.
6. Croitoru AE, Piticar A, Dragotă CS, Burada DC (2013), Recent changes in reference evapotranspiration in Romania, *Global and Planetary Change*, 111 (December), 127-137. DOI: 10.1016/j.gloplacha.2013.09.004.
7. WMO, *Climate Variability, Agriculture and Forestry: Towards Sustainability*, [https://library.wmo.int/doc\\_num.php?explnum\\_id=1858](https://library.wmo.int/doc_num.php?explnum_id=1858).

**Additional comments:** In case of equal final score, selection will be made based on the interview score and by the impact of the journals where the article(s) is(are) published.