

# Curriculum Vitae

## BISTRICEAN PETRUȚ-IONEL

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### 1. Professional experience:

University Assistant dr. Department of Geography Faculty of History and Geography, Stefan cel Mare University of Suceava (from March 2022)

Mentor within the project DECIDE Ștefan cel Mare University of Suceava, partner-Institute of National Economy of the Romanian Academy (April 2021- December 2021)

Associate Lecturer, PhD, Department of Geography Faculty of History and Geography, Stefan cel Mare University of Suceava (2020-2021)

Meteorologist, PhD National Meteorological Administration, Moldova Regional Meteorological Center, Iasi, Romania (2010-2022)

Assistant Researcher “Ștefan cel Mare” University of Suceava, Romania Field Studies in Orthotidal Potamology, funded by UEFISCDI, identification PN-II-RU-TE-2014-4-2900 (2015-2017)

President of the Geographical, Non-Governmental and Non-Profit Scientific Organization of the "Environment and Society" Scientific Circle Suceava, Romania (2014-2022)

### 2. Studies:

License degree in Geography, Faculty of History and Geography, "Ștefan cel Mare" University of Suceava (2004-2009) with the thesis entitled "*General geographical characteristics of the Roman municipality with special regard to the climatic phenomena in its area*" (2005-2008).

Master degree in GIS and Spatial Planning, Faculty of History and Geography, "Ștefan cel Mare" University of Suceava, with the thesis entitled "*Use of GIS techniques in mapping the sites of Suceava monasteries and climate information in the analysis of the risks to which they are exposed*", (2008-2010).

PhD degree in Geography, Faculty of History and Geography, "Ștefan cel Mare" University of Suceava with the thesis entitled "*The balneoclimatic potential of tourist resorts in Moldova*" (2013-2018).

### 3. Competences:

Able to work in Spatial Analysis & Remote Sensing: ArcMap, Map Maker, Global Mapper; 3D Modelling: ArcScene, Microsoft Office, Corel Draw, Corel Photo, SagaGIS, HECgeoRAS (Hydrologic Engineering Center), IBM Lotus Symphony, Simin Console, MeteoApp, RayMan Cimate Model, CTIS – Climate Tourism Information Scheme.

Teaching academic laboratory papers in the field of Meteorology and Climatology (Meteorology and Climatology, Balneoclimatology, Topoclimatology and Microclimatology, GIS applied in cymatology).

On-site and expedition meteorological monitoring and processing of the resulting databases.

Climate mapping.

Development of general and applied climate studies in the form of scientific reports or articles.

#### 4. Representative published articles and books:

##### Books:

**Bistricean P.I.** (2020) - „*Potențialul balneoclimatic al stațiunilor turistice din Moldova*”. Editura Universității „Ștefan cel Mare” din Suceava 2020, ISBN 978-973-666-634-6, 285 pag.

##### Articles:

Bădăluță Carmen-Andreea, Mihăilă D., Mihăilă Doina, Bădăluță Ghe., **Bistricean P.I.**, (2021) „*Stable isotopic and geochemical characterisation of precipitation and riverine waters in the Eastern Carpathians and links with large-scale drivers*” Geological Society, London, Special Publications, 507, <https://doi.org/10.1144/SP507-2020-154>;

Mihăilă D., **Bistricean P.I.**, Horodnic V.D., (2021) „*Drivers of Timberline Dynamics in Rodna Mountains, Northern Carpathians, Romania, over the Last 131 Years*”, Sustainability 2021, 13, 2089. <https://doi.org/10.3390/su13042089> (Factor Impact 2.576, Scopus 3.2);

Briciu A.E., Mihăilă D., Graur, A., Oprea, D.I., Prisăcariu A., **Bistricean P.I.** „*Changes in the Water Temperature of Rivers Impacted by the Urban Heat Island: Case Study of Suceava City*”. Water 2020, 12, 1343; <https://doi.org/10.3390/w12051343>;

Mihăilă D., **Bistricean P. I.**, Iliș A., Paiusan F. O., Gale. M., Sipos L., Gaceu O. R. (2019) „*Moneasa Balneoclimatic Resort between Shelter Bioclimate and Bad Weather*”, Journal of Environmental Protection and Ecology (JEPE), Vol. 20, Book 4, p.1745-1753, (Factor Impact 0,624 in 2018), <http://www.jepe-journal.info/journal-content/vol-20-no-4>;

Bădăluță Carmen-Andreea, Perșoiu A., Ioniță Monica, Nagavciuc Viorica, **Bistricean P.I.** „*Stable H and O isotope-based investigation of moisture sources and their role in river and groundwater recharge in the NE Carpathian Mountains, East-Central Europe*”, Isotopes in Environmental and Health Studies, Factor Impact 1.527, DOI: 10.1080/10256016.2019.1588895;

Mihăilă D., **Bistricean P. I.**, Briciu A. E. „*Assessment of the climate potential for tourism. Case study: the North-East Development Region of Romania*”, Ref. Theoretical and Applied Climatology, Factor Impact: 2.321, <https://doi.org/10.1007/s00704-018-2611-5>;

Briciu A.E, Mihăilă D., Oprea D.I, **Bistricean P.I.**, Lazurca Liliana Gina – „*Orthotidal signal in the electrical conductivity of an inland river*” Environ Monit Assess 190:282, Factor Impact 1,804 <https://doi.org/10.1007/s10661-018-6676-5>

Mihăilă D., Piticar A., Briciu A. E., **Bistricean P. I.**, Lazurca Liliana Gina, Puțunică, A. (2018). „*Changes in bioclimatic indices in the Republic of Moldova (1960–2012): consequences for tourism.*” Boletín de la Asociación de Geógrafos Españoles, 77, 521–548. doi: 10.21138/bage.2550, Factor Impact 0,323: Link: <http://www.age-geografia.es/ojs/index.php/bage/article/view/2646>

Mihăilă D., **Bistricean P. I.**, Lazurcă Gina – Liliana, Briciu A. E. - , „*Climatic water deficit and surplus between the Carpathian Mountains and the Dniester River (1961–2012)*”, Doi:10.1007/s10661-017-6253-3. Environ Monit Assess. 2017 Oct 8; 189 (11) 545. Print ISSN 0167-6369, Online ISSN, 1573-2959, Factor Impact: 1.687. Link: <https://www.ncbi.nlm.nih.gov/pubmed/28990121>

Piticar A., Mihăilă, D., Lazurca, Liliana-Gina, **Bistricean, P. I.**, Puțuntică, A., Briciu A., E., 2015. „*Spatiotemporal distribution of reference evapotranspiration in the Republic of Moldova*”

Springer - Theoretical and Applied Climatology, Impact Factor 2,015 DOI: 10.1007/s00704-015-1490-2 <http://link.springer.com/article/10.1007/s00704-015-1490-2>

Roșu C., Horodnic D.V., **Bistricean P.I.**, Mihăilă D., 2020 „*Site suitability evaluation for tourism development using GIS and multi-criteria evaluation techniques. A case study of Slănic Moldova and Târgu Ocna, Romania*”. International Scientific Conference GEOBALCANICA 2020, DOI: <http://dx.doi.org/10.18509/GBP.2020.90>

Apopei Lidia Maria, Mihăilă D., **Bistricean P.I.**, 2020 „*Thermo-hydrometric arguments in the demonstration of foehn circulation in Cotnari, Romania*” International Scientific Conference GEOBALCANICA 2020, DOI: <http://dx.doi.org/10.18509/GBP.2020.25>

Mihăilă D., Silișteanu Sînziana, Țiculeanu – Ciurlică Mihaela, **Bistricean P.I.**, 2020 „*The meteorological variability of the year 2019 and its reflex on the Suceava Municipality population health condition*” International Scientific Conference GEOBALCANICA 2020, DOI: <http://dx.doi.org/10.18509/GBP.2020.22>

Prisacariu A., Mihăilă D., **Bistricean P.I.**, 2020 „*The evaluation of the thermo-hygrometric particularities of Suceava Municipality (Romania) from topoclimatic perspective*” International Scientific Conference GEOBALCANICA 2020, DOI: <http://dx.doi.org/10.18509/GBP.2020.21>

Mihăilă D., **Bistricean P.I.**, Prisacariu A., Țiculeanu – Ciurlică Mihaela, Horodnic D.V., 2020 „*The bioclimatic particularities of Suceava Municipality, Romania*” International Scientific Conference GEOBALCANICA 2020, DOI: <http://dx.doi.org/10.18509/GBP.2020.20>

Mihăilă D., **Bistricean P.I.**, Prisacariu A., Țiculeanu (Ciurlică) Mihaela, 2020 „*Evaluation of air quality in Suceava, Romania*”, EGU2020-1268 <https://doi.org/10.5194/egusphere-egu2020-1268> EGU General Assembly 2020

Prisacariu A., Horodnic V.D., Mihăilă D., **Bistricean P.I.**, 2020 „*Changes in the urban climate parameters due to the anthropic factors. Case study: Suceava metropolitan area from Romania*”, EGU2020-744, updated on 15 Mar 2020, <https://doi.org/10.5194/egusphere-egu2020-744>, EGU General Assembly 2020

Horodnic V.D., Efras V., Mihăilă D., Lăzărescu Luminița-Mirela, **Bistricean P.I.**, 2020 „*Detecting hotspots of changes in spatial pattern of forest fragmentation in the Romanian Carpathian Mountains*” EGU2020-474, <https://doi.org/10.5194/egusphere-egu2020-474>, EGU General Assembly 2020

Rosu C-tin., Mihăilă D., **Bistricean P.I.**, 2020 „*The air quality in the Municipality of Piatra Neamt from the North Eastern Region, Romania*”, EGU2020-402 <https://doi.org/10.5194/egusphere-egu2020-402>, EGU General Assembly 2020

Mihăilă D., Briciu A.E., Roibu C.C., **Bistricean P.I.**, 2019 „*Restricting climatic conditions on the eastern distribution limit of European beech (Fagus Sylvatica) in north-eastern Romania for the march – june interval*”, Present Environment and Sustainable Development PESD

Horodnic V.D., **Bistricean P.I.**, Mihăilă D., Efros V., 2019 „*Application of landscape metrics and GIS techniques for assessment of land use and land cover changes in the Suceava river basin, Romania*”, International Scientific Conference GEOBALCANICA 2019, DOI: <http://dx.doi.org/10.18509/GBP.2019.70>

Horodnic V.D., **Bistricean P.I.**, Mihăilă D., Efros V., 2019 „*Geospatial analysis of landscape dynamics in response to land use and land cover changes in the Suceava river basin (Romania)*” Geophysical Research Abstracts, Vol. 21, EGU2019-1289, EGU General Assembly 2019;

Mihăilă D., **Bistricean P. I.**, „*The suitability of Moldova climate for balneary-climatic tourism and outdoor activities - a study based on the Tourism Climate Index.*” Present Environment and Sustainable Development 06/2018; 12(1):263-282., DOI:10.2478/pesd-2018-0021

Briciu A.E., Mihăilă D., Oprea-Gancevici D.I., **Bistricean P.I.** (2017) „*Some aspects regarding the thermal water temperature of some sites in Baile Felix, Geoagiu Bai and Harsova areas, Romania*” DOI: 10.5593/sgem2017/31/S12.075, ISBN 978-619-7408-04-1, ISSN 1314-2704, June 27-July 6, 2017, Vol. 17, Issue 31, 601-608 pp,

Briciu, A.E, Mihăilă, D., Oprea, D.I., **Bistricean, P.I.**, (2016) „*Analysis of surface thermal waters in Băile Herculane area*” SGEM2016 Proceedings, ISBN 978-619-7105-61-2 / ISSN 1314-2704, , DOI: 10.5593/SGEM2016/B31/S12.009

Briciu, A., Mihăilă, D., Oprea, D., **Bistricean, P., I.**, (2016) „*Analysis of surface thermal waters in Moneasa area*” SGEM2016 Proceedings, ISBN 978-619-7105-61-2 / ISSN 1314-2704, , DOI: 10.5593/SGEM2016/B31/S12.010

Mihăilă, D., **Bistricean, P., I.**, Lazurca, Gina, 2016. „*Some considerations regarding evapotranspiration and its influence on runoff in karst areas with thermal waters (Romania)*” SGEM2016 Proceedings, ISBN 978-619-7105-61-2 / ISSN 1314-2704, DOI: 10.5593/SGEM2016/B42/S19.072

Mihăilă, D., Briciu, A. E., **Bistricean, P., I.**, Lazurcă, Gina – Liliana, 2015. „*The analysis of spatial distribution and temporal trends of THI index in the Republic of Moldova*” SGEM – ISBN 978-619-7105-38-4 ISSN 1314-2704, DOI: 10.5593/SGEM2015/B41/S19.142

Roșu C., Mihăilă D., **Bistricean P.I.**, (2022) – „*Evaluation of the bioclimate of submontane resorts located between Sucevita and Slănic Moldova based on the THI index*” – Georeview. Vol 32, No 1, 2022, <http://georeview.ro/ojs/index.php/revista/issue/view/32>

Roșu C., Mihaila D., **Bistricean P.I.**, Horodnic V.D., 2021 – „*Natural factors which attract tourists in the spa resorts of the contact sub-mountain area between Sucevița and Soveja-Vizantea*” GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series, Vol 31, No 1, p.1-14, <http://georeview.ro/ojs/index.php/revista/article/view/433>

Silișteanu Sînziana Călina, Mihăilă D., Dogaru Gabriela **Bistricean P.I.**, 2020 - „*Balneoclimatology - where to?*” GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series, Vol 30, No 1, 42-64, <http://georeview.ro/ojs/index.php/revista/article/view/423>

Apopei Lidia, Mihăilă D., **Bistricean P.I.**, 2020 „*The conceptual - methodological evolution of the research on the föehn with special reference to the Cotnar area*” GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series, Vol 30, No 1, 116-136, <http://georeview.ro/ojs/index.php/revista/article/view/427>

Mihăilă D., Briciu, A.E., **Bistricean P.I.**, Sușu Adriana-Augustina, 2020 – „*Some of the bioclimatic peculiarities of thermal water resorts located in western Romania*” GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series, Vol 30, No 1, 102-115 <http://georeview.ro/ojs/index.php/revista/article/view/426>

Horodnic V.D., **Bistricean P.I.**, Mihăilă D., Efros V., 2019 „*Assessment of land use changes and landscape fragmentation in the tourism area of Cacica and Vatra Dornei*”, Vol.29, Nr.1/2019, DOI: <http://dx.doi.org/10.4316/GEOREVIEW.2019.29.1.403> Link: <http://georeview.ro/ojs/index.php/revista/article/view/403>

**Bistricean P. I.**, Mihăilă D., 2017, - „*Bioclimatic regionalization of Moldova west of the Prut river*”, DOI: 10.1515/pesd-2017-0004, Volume 11, no.1/ 2017, ISSN: 1843-5971 Link: <https://www.degruyter.com/downloadpdf/j/pesd.2017.11.issue-1/pesd-2017-0004/pesd-2017-0004.pdf>

Mihăilă D., **Bistricean P. I.**, Lazurca Gina, 2016, - „*Spatial and temporal relevance of some bioclimatic indexes for the study of the bioclimate of Moldova (west of the Prut river)*”, DOI: <http://dx.doi.org/10.4316/GEOREVIEW.2016.26.1.365> ISSN: 1583-1469 Link:

Mihăilă, D., Dițoiu, Valeria, **Bistricean, P., I.**, Humeniuc, Ana, 2015, - „*Dangerous waste incineration and its impact on air quality. Case study: the incinerator SC Mondeco SRL Suceava*” DOI: <http://dx.doi.org/10.4316/GEOREVIEW.2015.25.1.197>, ISSN: 1583-1469

Mihăilă, D., **Bistricean, P., I.**, Lazurca, Liliana-Gina, 2014. - „*Land surface water balance east of the Romanian Carpathians*” ISSN: 1583-1469 <http://georeview.ro/ojs/index.php/revista/issue/view/CBW-2014> [http://georeview.ro/ojs/index.php/revista/article/view/227/pdf\\_74](http://georeview.ro/ojs/index.php/revista/article/view/227/pdf_74)

Mihăilă, D., Dițoiu, Valeria., **Bistricean, P. I.**, 2013. – „*The impact of municipal solid waste landfills in Suceava County on air quality*” DOI: <http://dx.doi.org/10.4316/GEOREVIEW.2014.24.1.125>; ISSN: 1583 – 1469 Link: <http://georeview.ro/ojs/index.php/revista/article/view/125>

Mihăilă, D., Dițoiu, Valeria., **Bistricean, P. I.**, 2013. – „*The current state of municipal solid waste landfills in Suceava county and their impact on water and soil*” DOI: <http://dx.doi.org/10.4316/GEOREVIEW.2013.22.1.113> ISSN: 1583 – 1469

Mihăilă, D., Tanasă, I., **Bistricean, P. I.**, 2013. – „*Extreme weather intervals types in Suceava: frosty and tropical intervals*”, Present Environment and Sustainable Development Vol.7. Nr.1. 2013, ISSN 1843-5971

Bădăluță, Carmen–Andreea, **Bistricean, P., I.**, Nagavciuc, Viorica, 2013. - „*Using GIS techniques in the analysis of land use in the Soloneț river catchment between 1856 and 2011*”. DOI: <http://dx.doi.org/10.4316/GEOREVIEW.2013.23.2.81> ISSN: 1583 – 1469

## 5. Scientific projects and grants

Project co-financed by the European Social Fund through the Sectorial Operational Program for Human Resources Development 2007 - 2013 - “SOCERT. The knowledge society, dynamism through research” POSDRU/159/1.5/S/132406 (2014-2015) - member of the target group.

Grant of the Romanian National Authority for Scientific Research and Innovation, CNCS – UEFISCDI, project number *PN-II-RU-TE-2014-4-2900 (Field Studies in Orthotidal Potamology)* – (2015-2017) member of the target group

Project co-financed by the Human Capital Operational Program 2014-2020, no. POCU/380/6/13 - "*Support for PhD students and postdoctoral researchers*". Project title: "*DECIDE - Development through entrepreneurial education and innovative doctoral and postdoctoral research*" Code: POCU/380/6/13/125031 (2021) - mentor

## 6. Scientometric profile (WOS, Scopus, Google)

57 citations in Web of Science (H-index 3);

53 citations in Scopus (H-index 3);

148 citations in Google scholar (H-index 8)

## 7. Photo

