



CURRICULUM VITAE

Personal information

Surname: OPREA
Christian names: CONSTANTIN-RĂZVAN
Academic degree: PhD
Date of birth: June 15, 1968
Place of birth: Bucharest, Romania
Citizenship: Romanian
Civil status: Married, two children
Address: 1st., Nicolae Balcescu Bd, 010041, Bucharest, Romania
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Education and degrees

1991-1996 Faculty of Geography, University of Bucharest
1996-1997 Master Degree (Diploma) in Geography (Environmental morphohidrography and land use planning), University of Bucharest
1996-2004 PhD-student, Faculty of Geography, University of Bucharest
2004 PhD, University of Bucharest; Advisor: Prof. Dr. Mihai Ielenicz
Title of the thesis: *The mountain catchment of Prahova river. The natural potential and landscape evaluation.*

Academic positions

1996-1999 Subassistant, Faculty of Geography,

University of Bucharest

1999-2002

Assistant, Faculty of Geography,
University of Bucharest

2002-2009

Assistant professor, Faculty of
Geography, University of Bucharest

Since 2009

Associate professor, Faculty of
Geography, University of Bucharest

List of main research papers

ISI

1. Diaconeasa D., Marin M., Nedelea A., **Oprea R.** (2010), *Textural analysis of the sediments in the Mamaia Bay*, Rev. Metalurgia International, special Issue nr.5, p.19-24, ISSN 1582-2214. Revistă ISI cu factor de impact 1,169 (2010) și scor relativ de influență 0 (2010).
2. Nedelea A., Comănescu L., **Oprea R.** (2009), *The ecoclimatic indexes specific for the Arges valley (Fagaras Mountains, the Southern Carpathians, Romania)*, International Journal of Physical Sciences Vol. 4 (12), pp. 796–805, ISSN 1992-1950. Revistă ISI cu factor de impact 0,540 (2010) și scor relativ de influență 0,20690 (2010).

BDI

1. Mihai B., Savulescu I., Sandric I., **Oprea R.**, (2007), *Apports de la methode de detection des changements pour l'evaluation de la dynamique de l'etagement de la vegetation dans les monts de Bucegi (Carpatas Meridionales, Roumanie)*, Teledetection, Revue de recherche et d'application en teledetection, Vol. 6, Nr. 3, ISSN 1028-7736, Revistă indexată în Cybergéo, DOAJ , HAL .
2. Nedelea A., **Oprea R.**, (2008), *The altitudinal zonation of the morphodynamic processes along the Capra and the Buda Valleys (the Fagaras Mountains)*, Geographical Phorum – Geographical studies and environment protection research, Craiova, Year VII, No. 7, ISSN 1583 – 1523, Revistă indexată în EBSCO HOST.
3. **Oprea R.**, Nedelea A., (2009) – *Notions Regarding the Relation between Landforms and Soil in the Eastern and North-Eastern Region of the Romanian Plain*, Geographical Phorum – Geographical studies and environment protection research, Craiova, Year VIII, No. 8, ISSN 1583 – 1523, Revistă indexată în EBSCO HOST.
4. Nedelea A., **Oprea R.**, Achim F., Comanescu L. (2009), *Cryo-nival modeling system. Case-study: Bucegi Mountains and Fagaras Mountains*, Revue Roumaine de Geographie, 53, 1, ISSN 1220-5311, Revistă indexată în Genamics Journal Seek .
5. Nedelea A., **Oprea R.**, Comănescu L. (2009), *Assessment of the anthropic impact on the environmental components of the Fagaras Mountains. Case study: Transfagarasan highway and Vidraru hydroenergetic development*, The Egiptian Journal Of Environmental Change, Volume1 Number 1, ISSN 2090-2271, Revistă indexata Copernicus (BDI).
6. **Oprea R.**, Nedelea A., Curcan G. (2010), *The landscapes differentiations in the Prahova sector of the Bucegi Mountains*, Geographical Phorum – Geographical studies and environment protection research, Craiova, Year IX, No. 9, ISSN 1583 – 1523, Revistă indexată în EBSCO HOST (BDI).

7. Nedelea A., Comanescu L., Munteanu A., Gheorghe C., **Oprea R.** (2011), *Avalanches – related hydrologic risk and morphodynamic potential in some southern valleys in Fagaras and Piatra Craiului Mountains*, The Egiptian Journal Of Environmental Change, Volume 3, Number 1, ISSN 2090-2271, Revistă indexata Copernicus (BDI).
8. Nedelea A., **Oprea R.**, Comănescu L., Curcan G. (2011), *The Landforms of the Făgărăș Mountains (The Argeș Mountain Catchment): Analysis of the Related Dynamic Processes*, Geographical Phorum – Geographical studies and environment protection research, Craiova, Volume 10, Issue 1, ISSN 1583 – 1523, Revistă indexată în EBSCO HOST (BDI).
9. Nedelea A., Munteanu A., Comănescu L., **Oprea R.**, Dobre R. (2011), *Cryo-nival modeling system. Case study: Făgărăș and Piatra Craiului Mountains*, Revista de Geomorfologie, 13, București, ISSN 1453-5068.

Other publications

1. Demeter T., Stefanescu S., **Oprea R.** (1997), *Geo-Ecological Features in The Potelu-Corabia Embankment*, Analele Universitatii “Spiru Haret”, Seria Geografie, nr. 1. Editura Fundatiei “Romania de Maine”, Bucuresti, ISSN 1453-8792.
2. Demeter T., **Oprea R.** (1998), *Aspects related to the degradation of the soil in Prahova county*, Comunicari de Geografie, II, Editura Universitatii din Bucuresti, ISSN 1453-5483.
3. **Oprea R.**, Demeter T. (1998), *Features of soil erosion in the Eastern Carpathians*, Comunicari de Geografie, II, Editura Universitatii din Bucuresti, ISSN 1453-5483.
4. Demeter T., **Oprea R.** (1999), *Soil resources and their quality in the Arges County*, Analele Universitatii “Spiru Haret”, Seria Geografie, 2, Editura Fundatiei “Romania de Maine”, Bucuresti, ISSN 1453-8792.
5. **Oprea R.**, Oprea M. (2000), *Izvorul Dorului catchment. Aspects of the anthropic impact*, Comunicari de Geografie, IV, Editura Universitatii din Bucuresti, ISSN 1453-5483.
6. **Oprea R.**, Mihai B. (2000), *Some Geomorphometric Consideration Concerning some Drainage Basins in the Curvature Carpathians*, Revista de Geomorfologie, 2, Editura Corint, Bucuresti, ISSN 1453-5068.
7. **Oprea R.**, Oprea M. (2001), *Izvorul Dorului catchment (Bucegi Mountains). The present-day geomorphological processes*, Comunicari de Geografie, V, Editura Universitatii din Bucuresti, ISSN 1453-5483.
8. Mihai B., **Oprea R.**, Sandric I. (2002), *Application of G.I.S in construction of the ski Predeal-Clabucet domain*, Comunicari de Geografie, VI, Editura Universitatii din Bucuresti, ISSN 1453-5483.
9. **Oprea R.** (2002), *Izvorul Dorului catchment (Bucegi Mountains). Geomorphometric analysis*, Analele Universitatii “Spiru Haret”, Seria Geografie, 5, Editura Fundatiei “Romania de Maine”, Bucuresti, ISSN 1453-8792.
10. Demeter T., **Oprea R.**, Savulescu I. (2002), *Current trends in the field of soil fertilization*, Comunicari de Geografie, VI, Editura Universitatii din Bucuresti, ISSN 1453-5483.
11. **Oprea R.** (2004), *The mountaintcatchment of Prahova valley. Evaluation of forest diversity*, Comunicari de geografie, VIII, Bucuresti, ISSN 14535483.
12. **Oprea R.** (2005), *Subalpine belt of the Bucegi Mountains. Aspects of the degradation of the soils and vegetation*, Comunicari de geografie, IX, Bucuresti, ISSN 145354483.
13. **Oprea R.** (2005), *Dynamics and evaluation of landscape in the Prahova mountain valley*, Lucrari si rapoarte de cercetare, 1, Bucuresti, ISBN 973737012 - 0.

14. Demeter T., **Oprea R.**, Savulescu I. (2005), *Pedogeographical index and general assessment of soil condition*, Comunicari de geografie, IX, Bucuresti, ISSN 145354483.
15. Demeter T., **Oprea R.**, Savulescu I. (2005), *Soil degradation sources in the Campulung-Muscel Depression*, Factori si procese pedogenetice din zona temperata, 4, Iasi, ISSN 1582-4616.
16. **Oprea R.**, Curcan G. (2005), *Dysfunctionalities related to the alpine meadow of the Bucegi Mountains*, Rev. Forum Geografic. Studii si cercetari de geografie si protectia mediului, Year 4, No. 4, Craiova, ISSN – 1583 – 1523.
17. **Oprea R.** (2006), *Elements of pedodiversity within etalon perimeters from the Bucegi and the Baiu mountains*, Geographical Phorum, *Geographical studies and environment protection research*, Year 5, No. 5, Editura Universitaria Craiova, ISSN – 1583 – 1523.
18. Visan G., Grecu F., **Oprea R.**, Patru-Stupariu I. (2006), *La pression antropique en geosystemes urbaines de collines de montagne en Roumanie*, Recueil des communications M'sila, Algeria, L'Institut de Gestion des Techniques Urbaines et le laboratoire des techniques urbaines et environnement.
19. **Oprea R.**, Oprea M. (2007), *Mountain Basin of Prahova. Pedogeographical assembly* Comunicari de geografie, XI, Editura Universitatii din Bucuresti, ISSN 1453-5483.
20. Nedelea A., **Oprea R.** (2010), *General considerations on the rock glacier superficial deposits in the Arges mountain catchment (the Fagaras Mountains)*, Proceedings, Present-Day Environmental Changes in Romania and Turkey, Bucharest, ISBN 973-749-891-5.

Books and books chapters

1. Geanana, **Oprea R.**, Săvulescu I. (2001), *Soil geography. Practical guide*, Bucharest, ISBN 973-575-616-1.
2. Demeter T., **Oprea R.**, Săvulescu I. (2001), *Pedology. Map work for practical activities*, Bucharest, ISBN 973-575-590-4.
3. Ielenicz M., Ene M., Comanescu L., Patru I., Nedelea A., Mihai B., **Oprea R.**, Sandulache I. (2003), *Romania. Touristic encyclopedias*, Bucharest, ISBN 973-653-232-1.
4. Geanana, **Oprea R.**, Săvulescu I. (2004), *Soil geography*, Bucharest, ISBN 973 – 734 – 005 - 1.
5. Ielenicz M., Comanescu L., Mihai B., Nedelea A., **Oprea R.**, Patru I. (2004), *Dictionary of Physical Geography*, Bucharest, ISBN 973 – 653 – 618 - 1.
6. **Oprea R.** (2005), *The mountain catchment of Prahova river. The natural potential, anthropic impact and landscape*, Bucharest, ISBN 978-973-7787-95-1
7. **Oprea R.** (2005), *Soil geography of Romania*, Bucharest, ISBN 973 – 734 – 044 - 2.
8. **Oprea R.**, Săvulescu I. (2005), *Soil geography of World*, Bucharest, ISBN 973 – 734 – 078 - 7.
9. Pătru I., Zaharia L., **Oprea R.** (2006), *Physical Geography of Romania – Climate, Waters, Vegetation, Soils*, Bucharest, ISBN 978-973-749-065-0 / 973-749-065-7
10. **Oprea R.** (2007), *Soil geography*, Bucharest, ISBN 978-973-734-200-3.
11. **Oprea R.** (2007), *World soils*, Bucharest, ISBN 978-973-734-272-0.
12. **Oprea R.** (2008), *Sinaia* (p. 223-233), In: Ielenicz Mihai, Matei Elena, Ciangă Nicolae, Iașu Corneliu, Vert Constantin (eds.) *Resorts of National Interest in the Romanian Carpathians*.

Nature – Local communities – Tourist facilities – Policies for sustainable tourism, Bucharest, 223-233, ISBN 978-973-749-516-7.

13. **Oprea R.** (2009), *Compendium of pedology*, Bucharest, ISBN 978-973-749-677-5.
14. Ielenicz M., **Oprea R.** (2011), *Romania. Carpathians (General characteristics)*, Bucharest, ISBN 978-606-591-162-8.
15. **Oprea R.**, Cuculici R. (2011), *Natural characteristics*, In: Patru-Stupariu (eds.) *Elaborating and implementing an algorithm for landscape evaluation and prognosis applications for the mountainous and the Subcarpathian sectors of Prahova Valley*, Bucharest, ISBN 978-606-61.

Conferences

1. Oprea R., Mihai B.: *Morphometric aspects concerning some morphohydrographic basins from the Curvature Carpathians, a comparative approach*, Carpatho-Balkan Conference of Geomorphology, **Băile Herculane-Orșova-Drobeta Turnu Severin** 11-17 october **1998**
2. Ielenicz M., Mihai B., Nedelea A., Oprea R.: *Neotectonics, morphometry and morphodynamics in the Western Curvature Carpathians area*, The fifth Romanian-Italian workshop of Geomorphology, "Geomorphological processes in the tectonic active areas", **Bucharest**, May 27-June 3, **2000**
3. Mihai B., Savulescu I., SANDRIC I., Oprea R.: *Applications de la méthode Change Détection pour l'investigation de la dynamique des étages végétaux dans les Monts de Bucegi (Carpates Méridionales, Roumanie)*, Reunion d'animation scientifique du reseau teledetection, **Bucharest**, 25-26 avril **2005**
4. Oprea R., Pătru I.: *Utilisation des images satellitaire dans l'estimation du rapport entre les résineux et les feuilles dans les forêts du bassin versant supérieur de la Prahova*, Reunion d'animation scientifique du reseau teledetection, **Bucharest**, 25-26 avril **2005**
5. Visan G., Grecu F., Oprea R., Patru-Stupariu I.: *La pression antropique en geosystemes urbaines de collines de montagne en Roumanie*, 2 eme Seminaire International sur la Gestion des Villes, 7-9 novembre **2006**, M Sila, **Algeria**.
6. Comanescu L., Grecu F., Oprea R., Dobre R.: *Possibilities of touristic development of the geosites from the romanian black sea shore*, Italo-Maltese Workshop, Integration of the geomorphological environment and cultural heritage for tourism promotion and hazard prevention, Valleta, **Malta**, 24-27 Aprilie **2007**.
7. Oprea R., Comanescu L., Peptenatu D.: *The human-environment proportion on the montaneous Prahova valley*, Italo-Maltese Workshop, Integration of the geomorphological environment and cultural heritage for tourism promotion and hazard prevention, Valleta, **Malta**, 24-27 Aprilie **2007**.
8. Demeter T., Savulescu I., Ignat P., Mihai B, Grecu F., Oprea R.: *Land use-soil cover-landform dynamics in the Danube river floodplain near Macin. An integrated approach*, 12 th Belgium-France-Italy-Romania Geomorphological Meeting "Climatic change and related landscapes", Savona, **Italy**, 26-29 September **2007**.
9. Sandulache I, Oprea R.: *Alluvial deposits in Bistricioara basin (Eastern Carpathians) and their Morphogenetic importance*, 12 th Belgium-France-Italy-Romania Geomorphological Meeting "Climatic change and related landscapes", Savona, **Italy**, 26-29 September **2007**.
10. Oprea R., Nedelea A., Demeter T., Sandulache I., Savulescu I., Dobre R.: *Des aspects de l'utilisation de l'espace montagneux dans les Carpats roumains*, La deuxieme rencontre scientifique Roumaine-Algerienne-Francaise, Directions contemporaines dans l etude du

territoire. Gestions des risques naturels et anthropiques, Universitatea din Bucuresti, Facultatea de Geografie, **Bucharest**, 24-31 mai **2007**.

11. Oprea R., Nedelea A., Achim F.: *Cryo-nival modeling system. Case study: Bucegi Mountains (Prahova area) and Făgăraș Mountains (Argeș area)*, IAG Regional Conference on Geomorphology – Landslides, Floods and Global Environmental Change in Mountain Regions, **Brașov**, Romania, September 15-26, **2008**
12. Oprea R., Oprea M., Nedelea A.: *Improving of tourism trails in Bucegi Mountains, Prahova. Diminishing of the degradation of mountain landscape*, The first International Carpathian Tourism Conference, Sustainable Tourism Development in the Carpathians, **Bușteni**, Romania, October 24-26, **2008**
13. Dobre R., Oprea R. : *Analyse intégrée du relief pour l'aménagement du réseau de transport. Étude de cas: Vallée de la Prahova (Roumanie)*, Journée d'étude sur les applications des données géologiques, géomorphologiques et géotechniques aux plans d'aménagement, Université Mentouri – Constantine, Faculté des Sciences de la Terre, de la Géographie et de l'Aménagement du Territoire, Constantine, **Algeria**, 29 Avril **2008**
14. Oprea R., Nedelea A.: *Consideration upon then pastoral activities within the Bucegi and Făgăraș massifs and their impact upon the environment*, International Conference – Geographical Environment and Cross-Border Cooperation within the Lower basin of the Danube, The 5-th Edition, **Craiova-Orșova**, October 2-5, **2008**
15. Nedelea A., Oprea R., Comănescu L.: *Evaluation of the anthropic impact towards the environmental components in the mountainous sector of Transfăgărășan highway and Vidraru dam, Romania*, , Man and the Earth, Living with Landscapes: Symposium and Workshop, Alexandria University, Faculty of Arts, Damanhour Campus, Cairo and South Sinai, **Egypt**, 22-27 November **2008**
16. Oprea R., Nedelea A., Achim F., Oprea Monica: *The landscapes differentiations in the area of Prahovean Bucegi Mountains*, The Conference - Landscapes: Perception, Understanding, Awareness and Action, “Spiru Haret” University, Faculty of Geography, **Bucharest**, 3-5 aprilie **2009**
17. Oprea R., Sandulache I., Nedelea A.: *Petrographic relief in the Bucegi and Ceahlau Mountains (the Romanian Carpathians) scientific aproach vs local legends*, The international symposium “*Geomorphosites 2009 : raising the profile of geomorphological heritage through iconography, inventory and promotion*”, Sorbona, **Paris**, June **2009**
18. Nedelea A., Oprea R.: *Cryonival modeling system. Case study: Bucegi Mountains and Făgăraș Mountains*, The 6-th Romanian-Turkish Geographical Seminar, Present-Day Environmental Changes in Romania and Turkey, **Bucharest**, June 5-14 **2009**
19. Nedelea A., Munteanu A., Comănescu L., Oprea R., Dobre R.: *Cryo-nival modeling system. Case study: Făgăraș and Piatra Craiului Mountains*, 14th Joint Geomorphological Meeting (JGM), Italy – Romania –Belgium – France – Greece, *Contemporary Directions In The Study Of The Relief*, Romania, **Bucharest–Sinaia**, May 26 – 29, **2010**.
20. Nedelea A., Comanescu L., Munteanu A, Gheorghe C., Oprea R.: *Avalanches – related hydrologic risk and morphodynamic potential in some southern valleys in Fagaras and Piatra Craiului Mountains*, Faculty of Arts Damanour branch, Alexandria University & The Egyptian Society of Environmental Changes, 3rd International Symposium & Field Workshop on Living with Landscapes, Aswan and Marsa Alam 25th, **Egypt**, October - 1st of November **2010**.

21. Oprea R., Nedelea A.: *The ecoclimatic indexes specific for the Prahova valley (Bucegi Mountains, the Southern Carpathians, Romania)*, The International Conference, Geographical research and cross border cooperation within the lower basin of the Danube, **Craiova**, 23-26 September **2010**.
22. Oprea R., Nedelea A.: *Relationship between tourist activity and soil degradation in space mountain. Case study: high plateau of the Bucegi mountains (Prahova area) from Romanian Carpathians*, The Conference - Landscapes: Perception, Understanding, Awareness and Action, "Spiru Haret" University, Faculty of Geography, **Bucharest**, 8-10 April, **2001**
23. Oprea R., Nedelea A. : *Features of the soil cover in the central eastern part of Ploiesti Plain* International Conference *Environment – Landscape – European Identity*, **Bucharest**, University of Bucharest – Faculty of Geography, 4-6 November, **2011**

Participation in research projects

Main investigator

b) National Projects

1. *Pedological study for the establishment of the municipal park Ploiești West*, funded by Intergruop Engineering L.L.C. (**2010**).

Member of the research team (selection)

b) National Projects

1. *Integrated Research on Genesis of intracontinentale intermediate depth earthquakes in the Vrancea area*, CEEEX – 2 – MENER/MCT (**2006-2008**), Project manager Ielenicz Mihai.
2. *Sustainable management of Subcarpathian landscapes: prioritizing methods and means*, funded by The National University Research Council in Romania (**2006-2008**), Project manager Patru-Stupariu Ileana.
3. *Creating and managing a database related to geomorphological risk in space mountain between the Prahova valley and the Olt valley using techniques of digital mapping and analysis*, funded by The National University Research Council in Romania (**2006-2008**), Project manager Nedelea Alexandru.
4. *Development and implementation of an algorithm for landscape assessment and prognosis. Application to the mountainous and subcarpathian sector of the Prahova Valley*, funded by The National University Research Council in Romania (**2009-2011**), Project manager Patru-Stupariu Ileana.

Other professional activities

Administrative activities

Since 2008 Member of the Faculty of Geography Council, University of Bucharest
2008-2011 Director of the Department of Territorial Planning - Macin, University of Bucharest

Conference organization

2005 Member of the Organizing Committee: International Conference – AUF Teledetection, Bucharest, Romania
2008 Member of the Organizing Committee: International Carpathian Tourism Conference, Busteni, Romania
2010 Member of the Organizing Committee: Internațional 14th Joint Geomorphological Meeting (JGM), Bucharest-Sinaia

Membership of professional associations

SGR (Romanian Society of Geographers), IAG (International Association of Geomorphologists), SNRSS (Romanian National Union of Soil Sciences)

Reviewer – I have been invited to review papers for ISI journals: International Journal of Physical Sciences (IJPS) and Caspian Journal of Environmental Sciences (CJES)

Expert evaluator

CNMP (PNCDI-P4)

Other relevant information

Languages

French Moderate (spoken and written)

English Fluent (spoken and written)

IT – MS Office; ArcGIS; Corel Draw

