



## CURRICULUM VITAE

### Personal information

Surname: PĂTRU-STUPARIU  
Christian names: GEORGETA-ILEANA  
Academic degree: PhD  
Date of birth: December 14, 1970  
Place of birth: Calafat, Romania  
Citizenship: Romanian  
Civil status: Married, one child  
Address: Faculty of Geography, 1 N. Balcescu Bd, 010041 Bucharest  
E-mail: ileanageorgeta@yahoo.com

### Education and degrees

1989-1993 Faculty of Geography, University of Bucharest  
1993 Master Degree (Diploma) in Geography, University of Bucharest  
1993-1999 PhD-student, with a position as assistant at the Faculty of Geography, University of Bucharest  
1999 PhD, University of Bucharest; Advisor: Prof. Dr. Valeria Velcea  
Title of the thesis: *The transcarpathian passageway Bran-Rucar-Dragoslavele: physical geography and landscape assessment*

### Awarded scholarships

1996 Tempus PhD stipend, University of Liege - Belgium

### **Research fellowships**

2003	University of Liege - Belgium
2003	University of Lyon, University of Grenoble - France
2004	University Paris XII - France
2004	University of Liege - Belgium

### **Teaching fellowships (Socrates-Erasmus)**

May 2001	University of Bari, University Roma Tre - Italy
May 2002	University Roma Tre - Italy
April 2003	University Roma Tre - Italy
May 2004	University Paris XII - France
May 2005	University Paris XII - France
March 2006	University Paris XII - France
February 2010	University Liege –Belgium <b>membre of Ph Theses</b>

### **Academic positions**

1993-1996	Subassistant, Faculty of Geography, University of Bucharest
1996-2000	Assistant, Faculty of Geography, University of Bucharest
2000-2002	Assistant professor, Faculty of Geography, University of Bucharest
2002-2006	Associate professor, Faculty of Geography, University of Bucharest

Since 2006 Professor, Faculty of Geography, University of Bucharest

Since 2007 PhD advisor

### **Supervised PhD theses**

- 2007 Iuliana Vijulie – *The dynamics of rural landscape in the Romanian Plain.*
- 2008-2011 Iulia-Elena Calin – *Landscape management, assessment and prognosis. Case study: Babadag Lake and surroundings.*
- 2008-2011 Livia-Elena Visan – *Landscape management, assessment and prognosis. Case study: the mountainous and submountainous areas of the Prahova Valley.*
- 2009-2012 Alina Huzui – *Quantitative and qualitative analysis of urban landscape. Case study: Sinaia city.*
- 2010-2013 Alis Cuciulan – *Quantitative and qualitative analysis of industrial landscape. Case study: Petrila city.*
- 2011-2014 Alina Tudor – *Land use and landscape conflicts generated by the neighborhood of public services with residential areas. Case study: 7 National Growth Poles (Brasov, Cluj-Napoca, Constanta, Craiova, Iasi, Ploiesti, Timisoara).*
- 2011-2014 Gavrilidis Athanasios – *Spatial and landscape effects generated by residential areas development – Case study: Ploiesti City.*
- 2011-2014 Nita Andreea – *Landscape integration in the procedure of environmental impact assessment – Case study: Sub-Carpathian sector between Teleajen and Ialomita.*
- 2011-2014 Alexandra Teleuca – *Reflection of landscape state in Ceahlau Massif versus Ceahlau National Park.*
- 2011-2014 Horia Constantinescu – *Landscape temporal dynamics and spatial fragmentation – Case study Baiului Mountains.*

### **Co-supervised MSc thesis**

- 2005 Melanie Chabelle (University of Liege - Belgium) – *Etude des glissements de terrain a l'aide des images satellitaires.*

## List of main research papers

### ***I.S.I.***

1. Angelstam, P., Axelsson, R., Elbakidze, M., Laestadius, M., Lazdinis, L., Nordberg, M., **Pătru-Stupariu, I.**, Smith, M. (2011) *Knowledge production and learning for sustainable forest management: European regions as a time machine*. *Forestry An International Journal of Forest Research*, Available online 7 october 2011, Revistă ISI cu factor de impact 1,55 (2011) și scor relativ de influență 1,22 (2011).
2. Huzui, A., Abdellaoui A., **Pătru-Stupariu, I.**, (2011) *Analyzing urban dynamics using multi-temporal satellite images in the case of a mountain area, Sinaia (Romania)*" *International Journal of Digital Earth*, Revista ISI cu factor de impact 1,453 (2011) scor relativ de influenta 0,4,33 (2011)
3. **Pătru-Stupariu, I.**, Stupariu, M.S., Cuculici, R., Huzui, A. (2011) *Understanding landscape change using historical maps. Case study Sinaia, Romania*. *Journal of Maps*, v2011:206-220. Revistă ISI cu factor de impact 0,623 (2010) și scor relativ de influență 0,26016 (2010).
4. Cojanu V., **Pătru-Stupariu, I.**, Dobre, R. (2011) *An exploratory study of the regional context of competitive development in Romania*. *Transylvanian Review of Administrative Sciences* 33:67-89. Revistă ISI cu factor de impact 0,2 (2011) și scor relativ de influență 0 (2011).
5. **Pătru-Stupariu I.**, Stupariu, M.S., Cuculici, R., Huzui, A. (2011) *Contribution of global indicators to landscape change modelling. Case study Prahova Valley*. *International Journal of the Physical Sciences* 6:535-539. Revistă ISI cu factor de impact 0,540 (2010) și scor relativ de influență 0,20690 (2010).

### ***BDI***

1. Stupariu, M.S., **Pătru-Stupariu, I.**, Cuculici R. (2010) *Geometric approaches to computing 3D landscape metrics*. *Landscape Online* 24, 1-12. Revistă editată de IALE – Germania, indexată în bazele de date Ulrichsweb și DOAJ.
2. **Pătru-Stupariu, I.**, Stupariu, M.S., Huzui, A. (2010) *Mathematical models for visual landscape assessment. Case study: Sinaia*. *Forum Geografic*, 9, 133-138. Revistă indexată în baza de date EBSCO.
3. Abdellaoui, A., Vișan, L., **Pătru-Stupariu, I.** (2010) *Étude de la viabilite du paysage par analyse de grille dans la region Souscarpatique de la Vallée de Prahova (Roumanie)*. *Revista de Geomorfologie*, 12, 85-94. Revistă indexată în baza de date EBSCO.
4. **Pătru-Stupariu I.**, Stupariu M.S., Cuculici R. (2009) *Landscape metrics for assessment of mountain landscape using GIS applications*. *Revista de Geomorfologie* 11:59-62.

## **Other publications**

1. Calin, I., **Pătru-Stupariu I.**, (2011) *Landscape changes of Babadag lake and limitrophe area in the last 2 decades*, Annals of DDI, vol 17: 139-146.
2. Stupariu M.S., **Pătru-Stupariu I.** (2007) *Mathematical models in terrain landscape assessment*. Comunicari de Geografie 11:517-519.
3. Abdellaoui, A., Ozer, A., Benblidia, N., **Pătru I.**, Ielenicz, M. (2006) *Technique de clonage de pixels pour l'analyse d'objets de faible surface a l'aide d'une image satellitaire a moyenne resolution spatiale: application aux glissements de terrain de la Vallee de la Prahova (Roumanie)*. Teledetection 6:233 -246.
4. **Pătru, I.** (2006) *Grid variables used in terrain measurement of physical, aesthetical and psychological landscape attributes*. Comunicari de Geografie 10:491-493.
5. Ozer, A., **Pătru, I.**, Abdellaoui, A., Ielenicz, M., Visan, Gh., Visan, M. (2005) *L'imagerie satellitale et son usage pour delimitier les zones de glissement cas de la Vallee de Prahova*. Analele Universitatii Bucuresti – Geografie 54:59-62.
6. Abdellaoui, A., **Pătru, I.**, Ielenicz, M., Ozer, A. (2005) *Opportunité de l'utilisation satellitale moyenne résolution dans le cas de faible étendue; cas des volcans de boue*. Revista de Geomorfologie 7:141-150.
7. Dewitte, O., **Pătru, I.**, Ielenicz, M., Visan Gh., Demoulin, A. (2005) *Evaluation de la cinématique de glissements de terrain a Breaza*. Comunicari de Geografie 9.
8. Abdellaoui, A., Ozer, A., **Pătru, I.**, Ielenicz, M. (2004) *L'imagerie satellitale et suivi du risque naturel en Roumanie: glissement de terrain sur la vallee de Prahova*. Revista de Geomorfologie 6:53-59.
9. **Pătru, I.** (2000) *Suggestions for landscape management within the Bran-Rucar-Dragoslavele corridor*. Analele Universitatii Bucuresti – Geografie 49:123-127.
10. **Pătru, I.** (2000) *Morpho-hydrographic relations in the case of Turcu and Dambovita rivers*. Comunicari de Geografie 4:85-88.
11. Ielenicz, M., **Pătru, I.**, Mihai, B. (1999) *Some geomorphologic types of landslides in Romania*. Transactions Japanese Geomorphological Union 20:287-296.
12. **Pătru I.** (1999) *Landscape assessment matrix*. Studii si Cercetari de Geografie 44:157-161.
13. Zaharia, L., **Pătru, I.** (1999) *Considerations on the anthropic Romanian lakes and their Impact on the environment*. Analele Universitatii Bucuresti – Geografie 48:71-74.
14. Ielenicz, M., **Pătru, I.**, Tudose, C. (1997) *A slope model for the Curvature Subcarpathians, Romania*. Zeitschrift fuer Geomorphologie Supplementbaende 110:179-184.

## **Books and books chapters**

1. Angelstam, P., Elbakidze, M., Axelsson, R., Čupa, P., Halada, L., Molnar, Z., **Pătru-Stupariu, I.**, Perzanowski, K., Rozyłowicz, L., Standovar, T., Svoboda, M., Törnblom, J. (2012) In press. *Maintaining cultural and natural biodiversity in the Carpathian Mountain*

- ecoregion: need for an integrated landscape approach.* In: Kozak J., Ostapowicz K., Bytnerowicz A., Wyżga B. (eds.) Integrating nature and society towards sustainability, Springer. ISBN 978-3-642-12724-3.
2. **Pătru-Stupariu I. (2011)** *Landscape and sustainable territorial management. Applications to the transcarpathian passageway Bran – Rucăr – Dragoslavele Corridor*, Bucharest, ISBN 978-606-16 -0011-3.
  3. **Pătru-Stupariu I.**, Stupariu, M-S., Călin I., Cuculici, R., Huzui, A., Oprea, R., Stănescu A. (2011) *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.
  4. Cojanu V., Pîslaru D., **Pătru-Stupariu I.**, Muraru-Ionel C., Botezatu E. (2010) *The competitive potential of economic growth: guiding lines for a new industrial policy in Romania*, Studii de Strategie si Politici SPOS,I.E.R. Available online [www.ier.ro;SPOS](http://www.ier.ro;SPOS) 2010, Study nr. 4.
  5. **Pătru-Stupariu I.**, Zaharia, L., Oprea, R. (2006) *Physical Geography of Romania – Climate, Waters, Vegetation, Soils*, Bucharest. ISBN 978-973-749-065-0
  6. **Pătru-Stupariu I. (2006)** *Landscape study in Bran –Rucar-Dragoslavele Passgeway*, In: Pop O., Hanganu H., (eds.) Research in Piatra Craiului National Park, Journal of Transilvania University of Brasov, 70-75: ISBN 973-635-690-6.
  7. Ielenicz, M., **Pătru I. (2005)** *Physical Geography of Romania - Lecture Notes*, Bucharest.
  8. Ielenicz, M., **Pătru I.**, Comanescu, L., Mihai, B., Nedelea, A., Oprea, R. (2004) *Dictionary of Physical Geography*, Bucharest.
  9. Ielenicz, M., **Pătru, I.**, Ghincea, M. (2003) *Romanian Subcarpathians*, Bucharest.
  10. **Pătru, I. (2001)** *The transcarpathian passageway Bran-Rucar-Dragoslavele: physical geography and landscape assessment*, Bucharest.
  11. **Pătru, I. (1998)** *Applications of Statistics in Geography*, Bucharest.

## Participation in research projects

### Main investigator

#### a) International Projects

1. *The use of photogrammetry in the study of landslide dynamics*, funded by Research and Technology Ministry – Belgium (2003-2004).
2. *Apports de la teledetection pour l`etude des georisques en Roumanie*, funded by Agence Universitaire de la Francophonie (2003-2005).

#### b) National Projects

1. *Landscape dynamics and assessment in mountainous passageways of the Southern Carpathians*, funded by The National University Research Council in Romania (2001-2002).
2. *Sustainable management of Subcarpathian landscapes: prioritizing methods and means*, funded by The National University Research Council in Romania (2006-2008).

3. *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).

*Member of the research team (selection)*

a) International Projects

1. *Complementarite des approches hydrologiques et geographiques a l'etude de la dynamique fluviale*, funded by PAI Brancusi. Project manager Phlippe Ramez, CEMAGREF Lyon (2003-2004).
2. *Riscuri asociate sistemelor hidrogeomorfologice si amenajarea teritoriului*, PNII capacitati, Pai Brancusi (romano-francez, nr.491). Director Prof. univ. dr. Liliana Zaharia

b) National Projects

1. *The competitive potential of economic growth: guiding lines for a new industrial policy in Romania*. Institutul European din România Studii de Strategie și Politici SPOS 2010. Project manager Valentin Cojan, Academy of Economic Studies (2010).
2. *Optimizarea procesului de inserție a absolvenților din domeniul geografie pe piața forței demuncă*, *Geoinserst*, Contract nr. POSDRU/86/1.2/S/57462, 2010 -2013 *Manager de proiect*, Prof.univ. dr. Ioan Ianoș.

**Conferences**

1. Ielenicz, M.,. **Pătru I**: *The curvature Subcarpathians. Slope modelling systems*, IAG, European Regional Geomorphological Conference, **Budapest**, April 1996.
2. Ielenicz, M. **Pătru I**, Bogdan M.: *Man-relief relation among middle mountain spaces - A comparative case study*, Fourth international Conference on Geomorphology, **Bologna**, August 1997.
3. Zaharia, L. Sarbu I.,. **Pătru I**: *Spatial variation of main physical and chemical indicators of water in the Cerna Gulf*, The 3rd edition of the Regional Conference of Geography, with the topic Danube - Mures - Cris - Tisa Euroregion, Geo-economical space of sustainable development, Timisoara – **Novi Sad**, May 1998.
4. **Pătru I**: *Landscape assessment for the Bran-Rucar-Dragoslavele passageway*, Balkan Conference of Geomorphology, **Baile Herculane**, October 1998.
5. **Pătru I**: *Les bassins Podu Dambovitei: la carte geomorphologique 1:25.000*, The fifth Romanian-Italian workshop of geomorphology, **Bucharest**, May 2000.

6. **Pătru I.** *Le potentiel d'habitat des Carpates Meridionales*, The sixth Romanian-Italian workshop of geomorphology, **Bari**, May **2001**.
7. Grecu F., Comanescu L, **Pătru I.**: *Le massif de Bucegi. Le rôle de la pente dans la dynamique des formations superficielles et dynamique activité humaine*, Colloque Europeen Hommes et Pays, **Annecy**, October **2002**.
8. Ozer A., AbdellaouA. , **Pătru I.**, Ielenicz M.: *Apports de l` imagerie satellitale et du SIG a l'analyse du georsique en Roumanie*, Les X–eme Journees Scientifique du Reseau Teledetection de l'AUF, **Ottawa**, May **2004**.
9. Dewitte O., **Pătru I.**, Visan Gh., Visan M.: *Utilisation de la photogrammetrie numerique pour l` etude de glissements de terrain en Roumanie*, Les X–eme Journees Scientifique du Reseau Teledetection de l'AUF, **Ottawa**, May **2004**.
10. **Oprea R., Pătru I.**: *Utilisation des images satellitaire dans l'estimation du rapport entre les resineux et les feuilles dans les forets du bassin versant superieur de la Prahova*, Reunion d'animation scientifique du Reseau Teledetection, Bucharest, **April 2005**.
11. Ozer A., Abdellaoui A., **Pătru I.**, Ielenicz M.: *Apports de l'imagerie satellitale dans l'etude des Georisques en Roumanie, son usage pour les zones des glissements (Cas De La Vallee De La Prahova)*, **Zaragoza**, **2005**. Abstract published in Revue de geomorphologie, p.166.
12. Grecu F., Ielenicz M., Marin I., Nedelea Al., **Pătru I.**, Popa V., Visan G.: *Le risque geomorphologique en differents Geoystemes territorials*, Constantine, **M`sila**, Algeria, March **2006**.
13. Ielenicz M., Grecu F., Marin I., Nedelea Al., **Pătru I.**, Popa V., Visan G.: *Types de paysages geographiques en Roumanie*, **M`sila** Algeria, March **2006**.
14. Visan Gh., Grecu F., Oprea R., **Pătru-Stupariu I.**: *La pression antropique en geosystemes urbaines de collines et de montagne en Roumanie* **M`sila**, Algeria, November **2006**.
15. Stupariu M, **Pătru-Stupariu I.**, Cuculici R.: *Landscape metrics for assessment of mountain landscape using GIS applications*, IAG Regional Conference on Geomorphology: Landslides, Floods and Global Environmental Change in Mountain Regions, **Brasov**, September **2008**.
16. **Pătru-Stupariu I.**, Cuculici R., Huzui A.: *Integrarea hartilor istorice in reconstructia peisajului - Studiul de caz orasul Sinaia*, a XVII-a Simpozionului Internațional Mediu si Dezvoltare Durabila, **Iasi** 16-17 octombrie **2009**.
17. **Pătru-Stupariu I.**, Stupariu M., Cuculici R *Aportul Metricilori in dinamica schimbarilor de peisaj in Sectorul Montan si subcarpatic al Vaii Prahova (Sinaia – Banesti)*, Sesiunea anuala de comuniari Stiintifice, **Bucuresti**, 21 noiembrie **2009**.

18. Stupariu, M.S.; **Pătru-Stupariu, I.**; Cuculici, R., *On the use of discrete –geometry differential operators in the study of landscapes*, Geobia 2010, **Ghent**, Belgium 29-2 July **2010**.
19. **Pătru-Stupariu, I.**; Stupariu, M.S.; Cuculici, R.; Huzui, **A.**, *Application of quantitative indexes (binary index, kappa index), in the diachronic analysis of landscape. Case study – Sinaia Town*. The first romanian-bulgarian –hungarian-serbian conference, **Craiova**, Romania, 23 -26 September, **2010**.
20. Visan L, **Pătru-Stupariu I.**, I., Abdelkader A., *Anthropogenic landscapes through hydrotechnical works in the mountainous sector of the Prahova River (Romania)* The first romanian-bulgarian –hungarian-serbian conference, **Craiova**, Romania, 23 - 26 September, **2010**.
21. Visan, I., **Pătru-Stupariu, I.**, Landscape management in the process of urbanisation in the Subcarpathian sector of the Prahova Valley. Conferinta Disparitati regionale: tipologie, impact, management, **Cluj**, Romania, 23-24 Octombrie **2010**.
22. Visan, L., Abdelkader A., **Pătru-Stupariu, I.**, *L`indice du bati dans l` analyse du paysage: cas du versant d ouest des Monts Baiu (Roumanie)*. Lucrarile Seminarului Geografic International Dimitrie Cantemir, editia a XXX –a, **Iasi** 15 -17 Octombrie **2010**
23. Visan, L., **Pătru-Stupariu, I.**, *Perceptia peisajului intre realitate si stiinta*, Sesiunea anuala a Facultatii de Geografie, **Bucuresti**, 29 septembrie - 3 octombrie **2010**.
24. L.Visan, A.Abdellaoui, **Pătru-Stupariu, I** (2011) L`indice du bati dans l`analyse du paysage :cas du versant d`ouest des Monts Baiu (Roumanie), Simpozion International, editie XVIII, 15-17 octombrie **Iasi**, **2010**.
25. Cojanu V., **Pătru-Stupariu I.** Dobre R. (2011) *The regional context of competitive developement in Romania*, Conferinta Jean Monet . Dynamic of the integration process, 13-14 mai, **Iasi**, **2011**.
26. Huzui A., Abdellaoui A., **Pătru-Stupariu I.** (2011) *Exploitation de l imagerie satellitale pour l analyse de la dynamique du rapport bati-vegetation dans la zone de Sinaia (Roumanie)* La gestion de la ville et du territoire, 21-27 Juin, **Bucarest** **2011**,
27. **Pătru-Stupariu, I.**, Stupariu M., Huzui A., (2011) *Application of landscape metrics to assess the interaction between nature parks and their urban surroundings. Case study: The Bucegi Nature Park-Sinaia city fringe* 48<sup>th</sup> IFLA World Congress, June 27-29 **Zürich** **2011**
28. Stupariu, M., **Pătru-Stupariu I.**, *Edge-related effects, land cover change and landscape metrics* International Conference Environment-Landscape- European Identity, 4 - 6 noiembrie **Bucuresti**, **2011**
29. **Pătru-Stupariu I**, Huzui A, Călin I. *Spatial pattern analyses of landscape using multi-temporal data sources* International Conference Environment-Landscape- European Identity 4 - 6 noiembrie **Bucuresti**, **2011**

30. Stănescu, A., Cuciulan A., **Pătru-Stupariu I.** *Models of industrial landscape reconversion. Case study: city of Petrița (Romania)* International Conference Environment-Landscape-European Identity 4 - 6 noiembrie, **București, 2011.**
31. Angelstam P, Elbakidze M., Standovar T., **Pătru-Stupariu I.** *Identifying functional green infrastructures in the Carpathian Mountains: assessments of forest loss, alteration, continuity and connectivity* FORUM CARPATICUM, 2nd Forum Carpaticum From data to knowledge, from knowledge to action Stará Lesná, **Slovakia, 30 May – 2 June 2012**
32. Stoiculescu R., Huzui A., Călin I., Gavrilidis A., Nita A., Cuciulan A., **Pătru-Stupariu I.** *Linking cultural heritage of Roman colonization to landscape identity in the present Romanian territory. (The area within south of Transylvanian Alps, Danube River and the Black Sea)* Inaugural Conference of the Association of Critical Heritage Studies which is to be held in **Gothenburg June 2012.**
33. **Pătru-Stupariu I.**, Huzui A., Stoiculescu R. *A history of territorial policy reflected in the spatial pattern of land cover change covering 150 years in Southern Romania.* International Conference of Historical Geographers **August 2012 Prague.**

## **Other professional activities**

### *Administrative activities*

2000-2004	Chancellor, Faculty of Geography, University of Bucharest
2004-2008	Dean, Faculty of Geography, University of Bucharest
2008 -2011	Head of the Department of Regional Geography and Environment, University of Bucharest
Since 2011	Head of Transdisciplinary Research Center Landscape–Territory–Information Systems, University of Bucharest

### *Conference organization*

2005	Main organizer: International Conference – AUF Teledetection, Bucharest
2011	Main organizer: International Conference – Environment – Landscape – European Identity, Bucharest

***Membership of professional associations***

IALE (International Association of Landscape Ecology), SGR (Romanian Society of Geographers).

***Membership of Editorial Boards – Teledetection***

***Reviewer*** – I have been invited to review papers for *Comptes Rendus Geoscience*

***Expert evaluator***

ESPON 2013 Knowledge Support System (2011-2013)

AUF (Agence Universitaire de la Francophonie) – Bureau Europe Centrale et Orientale (2007-2011)

CNCSIS (National University Research Council in Romania, 2004-2008)

Evaluator of Government Student Fellowships for MECTS (Romanian Ministry of Education, Research, Youth and Sport, 2006-20010)

**Other relevant information**

***Languages***

French            Fluent (spoken and written)

English           Moderate (spoken and written)

***IT*** – ArcGIS 10; Corel Draw; MS Office; Quark Press