

# Curriculum vitae et studiorum

## Alessia Pica

### Studies

**27/February 2014 PhD in Earth Sciences** - "Sapienza" University of Rome , scientific sector GEO / 04 Physical Geography and Geomorphology.

Title of the PhD Thesis: Metodi per la valorizzazione del patrimonio geologico, dal rilevamento geomorfologico all'itinerario geoturistico. Applicazioni in ambiente urbano e naturale. (Methods for the geoheritage enhancement, from the geomorphological survey to the geotourist itinerary. Applications in urban and natural environment.)  
Supervisor: Prof. Del Monte Maurizio, Prof.ssa Fredi Paola.

**14/December 2009 Degree in Natural Sciences** - "Sapienza" University of Rome, specialising in Conservation of Nature and its Resources. Grade 110/110. Thesis in Physical Geography and Geomorphology.

Title of the Thesis: "Monti Ernici: itinerari naturalistici nell'area del campo carsico di Prato di Campoli".  
(Ernici Mountains: nature trails in the karst area of Prato di Campoli)  
Supervisor: Prof. E. Lupia Palmieri, Assistant Supervisor: Prof. Maurizio Parotto, B.S. Gian Paolo Cavinato.

### Courses

**November 2015** – Training Workshop on Disaster Risk Reduction for UNESCO Designated Sites in the Mediterranean. 14-19 November 2015, Valletta Campus, University of Malta, Malta.

**July 2015** - Intensive course for young geomorphologists "GRADUALISM vs CATASTROPHISM IN LANDSCAPE EVOLUTION" field experiences and seminars. Altai - Altai State University, Siberia, Russia.

**February 2015** - Certificazione Ets: Test of English as a Foreign Language (TOEFL).

**June 2014** - Corso Open Gis (Qgis E Grass Gis) Organizzato dalla Sezione di Geologia Informatica della Società Geologica Italiana, GIT – Geology and Information Technology nell'ambito del GIT – Geology and Information Technology 9° Convegno Nazionale del Gruppo di Geologia Informatica Sezione della Società Geologica Italiana Montefalco (Pg), 16 - 18 giugno 2014.

**October 2012** - Intensive Course "GIS-based Geomorphological Mapping". IAG/AIG International Workshop on "Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier" Salerno – Cilento & Vallo di Diano Geopark, Italy.

**September 2011** - Intensive Course “Using numerical technologies for the assessment and the promotion of geosites”. International Symposium on geosite management, University of Savoy, Le Bourget du Lac, Savoie, France.

**March-October 2011** - Corso Alta Formazione “Educatori Ambientali”, (500 ore, 20 cfu) Facoltà di Sc. Matematiche, Fisiche e Naturali, Sapienza Università di Roma, Dicembre 2011.

## Stage

**1 March /31 August 2012** - Adamello Brenta Nature Park and Geopark: geosites inventory and evaluation methods; GIS applications for data storage, visualization and cartography; methodological approach to earth sciences popularization and geotourism.

## Prizes

**GRANT IAG (International Association of Geomorphologists)** for the IAG/AIG International Workshop on “Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier” Salerno – Cilento & Vallo di Diano Geopark, Italy, 15-19 October 2012

**GRANT AIGeo (Associazione Italiana Geografia Fisica e Geomorfologia)** for the IAG Regional Conference 2015 Barnaul Russia, July 2-4, 2015

## Teaching activity

**October 2016** - Lecturer, Intensive Course “Methods for the analysis of urban geomorphology and geomorphological heritage” (seminar, exercise and field work).

**December 2014/ June 2016** - Substitute teacher at Secondary School.

**2013 - Thesis co-tutor**

- Restante Luca, Bachelor Thesis in Geomorphology “Caratteristiche geomorfologiche dell' area di Prato di Campoli ( Monti Ernici – Lazio )”.
- Pasquazi Gemma, Master Thesis in Quantitative Geomorphology “Caratteristiche geomorfologiche e pericolosità per fenomeni da trasporto in massa nell'area di Monte Viglio – Campo Catino (Lazio)”.

**October 2012/January 2013 - Tutoring and teaching support** : Physical Geography and Geomorphology course, Faculty of Science, Sapienza University of Rome.

## Post-Doc Research experience

**1 August/31 October 2016 , Research scholarship** at Sapienza University of Rome, Earth Sciences Department. Project Sapienza "ante" Sapienza: nature and history of a cultural landscape”.

**23 November/18 December 2015, Invited Researcher** at Institute of Geography and Sustainability of Lausanne University, Project “GeoguideRome”. Lausanne, Switzerland.

**01/10/2014-31/12/2014, Research Fellowship** – Geomorphological survey, aerial photos interpretation, data processing and historical topographic maps analysis in the urban area of Rome. Earth Sciences Department, Sapienza University of Rome.

## Work Experience

**13/January 2016 - 30/June 2016, Substitute teacher:** Food Science at Hospitality Professional Institute for Wine and Food Services and Hospitality Hoteliers, Fiuggi (FR), Italy (Secondary High School)

**03/November 2015 - 06/November 2015, Substitute teacher:** Mathematics and Science at Istituto Comprensivo Guarcono (FR), Italy (Secondary School)

**10/December 2014-20/December 2014; 16/February 2015-28/February 2015; Substitute teacher:** Mathematics and Science at “Beguino” Istituto Comprensivo, Paliano (FR) Italy (Secondary School)

**January-February 2015; April-May 2014; April-July 2013; June- July 2012; March 2011; May - September 2010; Professional partnership** - Geotourist guide/Environmental Educator. Associazione Natura Avventura, Roma; Coop. Sociale Alcedo, Paliano (Fr).

## Languages

**English:** ETS- TOEFL iBT certificate

Scaled Score:                      European Languages Framework

Reading 18/30                      B2

Listening 12/30                    B1

Speaking 18/30                    B1

Writing 18/30                      B2

Total Score:66

## Publications

### *Abstracts e posters:*

-Pica A., Del Monte M., Fredi P. (2011) Geotouristic itineraries in Lazio region (Italy): geomorphosites in the millenarian urban environment of Rome and in the natural environment of Ernici Mountains. Poster - International Symposium on Geosites Management - « Managing Geosites in Protected Areas » ISGM 2011 – 7th/10th September – Savoie-Mt Blanc

- Del Monte M., Pica A., Vergari F. (2012) Mapping a geotouristic trail in the Rome city center. Poster IAG/AIG/International Workshop on "Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier" Salerno (Italy) – European Cilento & Vallo di Diano, October 15-19.
- Pica A., Del Monte M., Fredi P., Vergari F. (2013) The Aeterna Urbs geomorphological heritage (Rome, Italy)". Comunicazione verbale - « Geomorphology and Sustainability » - 8th IAG International Conference on Geomorphology - August 27th to 31st.
- Pica A., Bazzoli G., Del Monte M., Masè V. (2013). The enhancement of a geotourist trail in the Adamello Brenta Nature Geopark (Rhaetian Alps, Italy). Poster - Geomorphology and Sustainability - 8th IAG International Conference on Geomorphology - August 27th to 31st.
- Pica A. (2013). Proposta di valorizzazione del Patrimonio Geologico del centro di Roma. Poster - "V giornata nazionale dei Giovani Geomorfologi", Associazione Italiana Geografia Fisica e Geomorfologia (AIGeo) e Università degli studi di Roma La Sapienza, 2 Ottobre 2013, Roma.
- Pica A., Fredi P., Del Monte M. (2014) La Potenzialità Geoturistica del Patrimonio Geologico dei Monti Ernici (Lazio, Appennino Centrale). Comunicazione orale: GIT – Geology and Information Technology - 9° Convegno Nazionale del Gruppo di Geologia Informatica - Sezione della Società Geologica Italiana, Montefalco (PG), 16-18 Giugno 2014.
- Melelli L., Pica A., Del Monte M. (2014) Geodiversity of the Umbria region (central Italy): a GIS-based quantitative index. Geophysical Research Abstracts Vol. 16, EGU General Assembly 2014 © Author(s) 2014. CC Attribution 3.0 License.
- Pica A., Fredi P., Del Monte M. (2014). Patrimonio Geologico, Valore Geoturistico e Proposta di itinerari nell'area di Trisulti di Collepardo (Monti Ernici, Lazio). Comunicazione verbale - "Le smart cities si edificano sulla Geologia", IV Convegno Nazionale Società Geologica Italiana, Sezione Giovani. Roma, 19 - 21 Giugno 2014.
- Pica A., Del Monte M., Vergari F., D'Orefice M., Luberti G.M. (2015). Anthropocene, the "era" of the man as morpho-evolutionary agent. The example of Rome (Italy). "Gradualism vs Catastrophism In Landscape Evolution" field experiences and seminars. IAG Regional Conference 2-4 July, Altai - Altai State University, Siberia, Russia.
- Pica A, Del Monte M , Fredi P (2015) Geomorphology And Spirituality: From The Karst Morphology To The Hermitages And The Trisulti Chartreuse (Ernici Mounts, Central Apennine). Geomorphology for Society from risk knowledge to landscape heritage, The 5th AIGeo National Conference, 6th Young Geomorphologist's Day, Cagliari 28-30 September, Italy.
- Pica A., Grangier L., Reynard E., Kaiser C., Del Monte M. (2016) GeoguideRome, urban geotourism offer powered by mobile application technology. Geophysical Research Abstracts Vol. 18, EGU2016-PREVIEW, 2016 EGU General Assembly 2016 © Author(s) 2015. CC Attribution 3.0 License.

### **Papers**

- Pica A., Del Monte M., Fredi P. (2013). Geotouristic itineraries in the Lazio region, Italy. Geomorphosites in the millenarian urban environment of Rome and in the natural environment of the Ernici mountains. In: Gestion des géosites dans les espaces protégés Managing Geosites in Protected Areas, Proceedings of the International Conference « Managing Geosites in Protected Areas », International Symposium on Geosites Management « ISGM 2011 », Savoie-Mont-Blanc, France, Hoblea F., Cayla N., Reynard E (Eds), Collection EDYTEM, N° 15, 2013.

- Pica A., Del Monte M., Fredi P., Vergari F. (2013) Il Valore Geoturistico dei Geositi del centro storico di Roma. Dialogo Intorno Al Paesaggio Percezione, Interpretazione, Rappresentazione Atti del Convegno in memoria di Lucilia Gregori (Perugia, 19-22 febbraio 2013), Melelli L., Pauselli C., Cencetti C. (Eds) Tomo II, pp.156-168, Università degli Studi di Perugia, ISBN 9788890642159
- Pica A. (2013) Proposta di valorizzazione del Patrimonio Geologico del centro di Roma. In: Atti del Convegno della V giornata nazionale dei Giovani Geomorfologi, Del Monte (ed.) Aracne Editrice s.r.l., Roma.
- Del Monte M., Fredi P., Pica A. & Vergari F. (2013). Geosites within Rome City center (Italy): a mixture of cultural and geomorphological heritage". *Geografia Fisica e Dinamica Quaternaria* 36 (2013), pp. 241-257, (IT ISSN 0391-9838, 2013) DOI 10.4461/GFDQ.2013.36.0.
- Del Monte M., Pica A., Vergari F., Ciccacci S. (2014). Historical Rome in the Tiber River Valley- I.A.E.G. XII Congress Torino 2014, Field Trip Guidebook. Sapienza Università Editrice, Roma.
- Pica A., Fredi P., Del Monte M. (2014). The Ernici Mountains Geoheritage (Central Apennines, Italy): Assessment Of The Geosites For Geotourism Development. *GeoJournal of Tourism and Geosites*. 11/2014; 14:176-189.
- Pica A., Fredi P., Del Monte M. (2015). Geoheritage, geotourist value and itineraries proposal in the Trisulti of Colleparado area (Ernici Mounts, Lazio). *Rendiconti online della Società Geologica Italiana*. 01/2015; 33:75-78.
- Bollati I., Coratza P., Giardino M., Laureti L., Leonelli G., Panizza M., Panizza V., Pelfini M., Piacente S., Pica A., Russo F., Zerbon A. (2015). Directions in Geoheritage Studies: Suggestions from the Italian Geomorphological Community. In: G. Lollino et al. (eds.) - *Engineering Geology for Society and Territory – Preservation of Cultural heritage - Volume 8*, © Springer International Publishing Switzerland 201509/2014 DOI: 10.1007/978-3-319-09408-3\_34
- Pica A., Vergari F., Fredi P., Del Monte M. (2016). The Aeterna Urbs Geomorphological Heritage (Rome, Italy). *Geoheritage*, (DOI) 10.1007/s12371-015-0150-3.
- Del Monte M., D'Orefice M., Luberti G.M., Marini R., Pica A., Vergari F. (2016) Geomorphological classification of urban landscapes: the case study of Rome (Italy). *Journal of Maps*, DOI: 10.1080/17445647.2016.1187977

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