Curriculum Vitae
Dr. Danica Jablonská
University of Camerino,
School of Science and Technology
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FIELDS OF EXPERTISE

Stratigraphy of carbonate and siliciclastic rocks; Diagenesis of carbonate rocks; Structural geology with emphasis on Faults and Fracture analysis; Microstructural analysis and petrography (Electron and optical microscopes; X-ray micro-CT), Multi-scale geological mapping; 2D and 3D restoration and validation of seismic interpretations.

WORK EXPERIENCE

Aug 2018 – Present **Postdoctoral Research Scholar**, University of Camerino, Italy.

Evaluation of the tectonic evolution of the Monte Gorzano area, with particular emphasis on the activity of Monti delle Laga Fault. Interpretation of field obtained stratigraphic columns and interpretation of seismic sections, constructing balanced cross- sections, fracture and geochemical analysis. This research has been sponsored by Enel Italia.

EDUCATION

Nov 2014 – Oct 2018 **PhD in Chemical and Physical Processes on the Earth**, School of Advanced Studies, University of Camerino
Dissertation: "Tectonic and gravitational features in the near-slope basinal carbonates".
Advisors: Prof. Dr. Emanuele Tondi, Prof. Dr. Claudio Di Celma, University of Camerino
The research project was co-sponsored by Shell Italia E&P and Total Italia E&P through the Reservoir Characterization Project (www.rechproject.com).

Nov 2011 – Oct 2014 **M.Sc. in Geoenviromental risks and resources**, University of Camerino
Thesis: "Structural features of mass-transport deposits within basinal carbonates from southern Italy".

Jul 2013 - Jun 2013 **Erasmus Placement Project**, University of Aberdeen

Sep 2008 – May 2013 **M.Sc. in Physical Geography and Geoecology,** Charles University of Prague
Thesis: "Planation surfaces in the Hrubý Jeseník Mountains".

Feb 2010 - Jul 2010 **Exchange student for the Erasmus Project**, University of Camerino

Oct 2001 – July 2004 **B.Sc. in Geography and Cartography,** Charles University of Prague
Thesis: "Erosional risk assessment and suspended sediment load in Olšava River basin between 1990 - 2000

SHORT COURSES

5-6 Jun 2015 – Short course on "The significance of soft-sediment deformation structures", held by Massimo Moretti, University of Bari
17-22 Sep 2018 - Thermometry, chronometry, barometry and fluid geochemistry in sedimentary basins held by Marta Gasparini, University Roma 3
18-22 Mar 2019 – Flügel-Course: International Course on Carbonate Microfacies, held by Alex Munnecke, Friedrich-Alexander-University of Erlangen-Nürnberg

KEY PUBLICATIONS

Tondi E., **Jablonská D.**, Zambrano M., Michele M., Mazzoli S., Pierantoni P. P.: *The Campotosto relay-growing fault zone in Between the 2009 and 2016–2017 Seismic Sequences of Central Italy: Implications for Seismic Hazard Analysis.* Geology (in preparation)

Di Celma C., Pitts A.; **Jablonská D.; Haynes J.:** *Backset lamination produced by supercritical backwash flows at the beachface-shoreface transition of a storm-dominated gravelly beach (middle Pleistocene, central Italy).* Marine and Petroleum Geology (under revision)

Jablonská, D.; Di Celma, C. N.; Alsop, G. I.; Tondi, E. (2018) *Internal architecture of mass-transport deposits in basinal carbonates: A case study from southern Italy.* DOI:10.1111/sed.12420. pg.1246-1276. In SEDIMENTOLOGY - ISSN:0037-0746 vol. 65

Villani, F., ... **Jablonská, D.** …. et al. – Open EMERGEO Working Group (2018) *A database of the coseismic effects following the 30 October 2016 Norcia earthquake in Central Italy.* Scientific DataOpen Access. Vol. 5, 27 March 2018 DOI: 10.1038/sdata.2018.49

Civico, R. ... **Jablonská, D.** …. et al. – Open EMERGEO Working Group (2018) *Surface ruptures following the 30 October 2016 Mw 6.5 Norcia earthquake, central Italy.* Journal of MapsOpen Access Volume 14, Issue 2, 2018, pg. 151-160.

Korneva, I., Tondi, E., **Jablonska, D.**, Di Celma, C., Alsop, I., Agosta, F. (2016) *Distinguishing tectonically- and gravity-driven synsedimentary deformation structures along the Apulian platform margin (Gargano Promontory, southern Italy).* Marine and Petroleum Geology, Vol. 73, pg. 479-491. DOI: 10.1016/j.marpetgeo.2015.12.009

Jablonská, D., Di Celma, C., Korneva, I., Tondi, E., Alsop, I. (2016) *Mass-Transport deposits within basinal carbonates from southern Italy. Italian Journal of Geosciences.* Vol. 135, Issue 1, pg. 30-40.

TEACHING AND RESEARCH SUPERVISION

Mar 2015 – Present University of Camerino: Teaching Assistant during B.Sc. and M.Sc. level courses (Fundamentals of geology; Field Geology; Reservoir Characterization – emphasis on Diagenesis); Academic tutor for B.Sc. students

Feb 2018 – Feb 2019 Present University of Camerino: co-supervisor of two M.Sc. students

May – Jun 2017, May – Jun 2018 and May – Jun 2019: University of Camerino and George Mason University: Academic instructor at International Geology Field Camp, Italy.

FIELD RESEARCH EXPERIENCE

Field Assistant during field work focusing on basic and advanced geologic mapping, stratigraphy, fault and fracture analysis in carbonate and heterolithic siliciclastic rocks.

- Basin Analysis in the Calvello Thrust top basin, Southern Italy
- Stratigraphy of turbiditic succession of Monti della Laga Mountains, Central Italy
- Structural and stratigraphy analysis of Mass-transport deposits, Gargano, southern Italy
- Fracture analysis of dolostones and tight carbonates, Gargano
- Post Seismic field mapping 2016/17 central Italy earthquake epicenter
- Fault and fracture analysis in tight siliciclastic Macigno Fm, Western Italy
- Stratigraphy of turbidites overlying large-scale mass-transport deposits within Marnoso – Arenacea Fm., Italy

OTHER SKILLS

Languages Czech and Slovak (mother tongue), English (fluent), Italian (fluent), German (elementary), French (elementary).
Personal skills Strong verbal communication skills aquired during oral contributions at international conferences and industry presentations.
Good organizing skills obtained during *Geology Field Camp*s and *2017 International Field Trip: Three Destructive Earthquakes along the central Apennine Fault System*, position of Secretary.
Work in team, critical evaluation of situation and fast decision-making sharpened both during research and free-time activities, such as caving.
Geological software Fiji, ImageJ, Stereonet, ArcGIS; CorelDraw X6, Petrel (basic).
Driving licenses A and B (Europe)