

FIELDS OF EXPERTISE

Stratigraphy of carbonate and clastic rocks; Structural geology with emphasis on Faults and Fracture analysis, Multi-scale geological mapping.

WORK EXPERIENCE

Feb 2021 – present **Postdoctoral Research Scholar** – “RILEVAMENTO GEOLOGICO RELATIVO AL PROGETTO CARG - FOGLIO 325 – VISSO”

Aug 2020 – Feb 2021 **Term-contract worker** on "ANELLO DEI SIBILLINI - INTERCONNESSIONE ATO 3 - 4 -5", detailed geological mapping of the selected areas of the Sibillini mountains, Italy; University of Camerino and Marche Region

Oct 2019 – March 2020 **Internship at Royal Shell**, “Carbonate diagenesis of subaerial exposures”
The analysis and assessment of the diverse effects that Sea-Level-driven subaerial exposures on carbonate strata as a function of key controlling factors.

Aug 2018 – July 2020 **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.

May 2017 – Present **Academic instructor** at International Geology Field Camp - George Mason University/ University of Camerino

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”.

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

with emphasis on study mass-transport deposits in carbonates under prof. G. Ian Alsop

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 2004 – July 2008 **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

- Jablonská D.**, Pitts, A. D., Di Celma C., Volatili, T., Alsop I., Tondi E.: (2021) 3D outcrop modelling of large discordant breccia bodies in basinal carbonates of the Apulian margin, Italy (special ISSUE: 3D MODELLING OF CARBONATES: TECHNIQUES AND APPLICATIONS AT DIFFERENT SCALES AND PROCESSES). *Marine and Petroleum Geology*, 123, -. <https://doi.org/10.1016/j.marpetgeo.2020.104732>
- Tondi, E., **Jablonská, D.**, Volatili, T., Michele, M., Stefano Mazzoli, S., Pierantoni, P.P.: (2020) The Campotosto linkage fault zone between the 2009 and 2016 seismic sequences of central Italy: Implications for seismic hazard analysis. *GSA Bulletin*, (December 2020) <https://doi.org/10.1130/B35788.1>
- Di Celma, C., Pitts, A., **Jablonská, D.**, Haynes, J.T.: (2020) 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*, 112, <https://doi.org/10.1016/j.marpetgeo.2019.08.015>
- Pitts, A. D., **Jablonská, D.**, Donato, V. Di, Mazzoli, S., Spina, V., Celma, C. Di, & Tondi, E. (2020). *Sedimentological and stratigraphic signature of the Plio-Pleistocene tectonic events in the Southern Apennines, Italy: The Calvello-Anzi Basin case study*. *Marine and Petroleum geology*, 116 (December 2019), 104-198.
- 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 Data Open 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 Maps* Open Access Volume 14, Issue 2, 2018, pg. 151-160.
- Korneva, I., Tondi, E., **Jablonská, D.**, Di Celma, C., Alsop, I., Agosta, F. (2016) *Distinguishing tectonically- and gravity-driven syndepositional 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.

FIELD RESEARCH EXPERIENCE

- 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 architecture in tight siliciclastic Macigno Fm, Western Italy

TEACHING EXPERIENCE

May 2017 – 2019 **Academic instructor** at International Geology Field Camp - George Mason University/ University of Camerino

October 2021 – February 2022 **Sedimentology and Stratigraphy** – SSD GEO/02, University of Camerino

OTHER SKILLS

Geological software Fiji/ImageJ, Stereonet, ArcGIS/QGIS; CorelDraw X6, Petrel (basic), Midland Valley/MOVE (basic), Field Move.

Driving licenses: A and B (Europe)

Languages: Czech and Slovak (fluent), English (fluent), Italian (fluent), German (intermediate), French (basic)