

Prof. Jean-Marc Lardeaux

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Having completed my PhD in geology at the Pierre and Marie Curie University in Paris in 1981, I subsequently spent much of my time at the University of Lyon I and at the Ecole Normale Supérieure in Lyon where I gained my Habilitation in 1992. I specialise in the dynamics of the lithosphere, natural resources, including geothermal systems, and have authored more than 140 publications in international scientific journals. My fields of investigation range from the Alps to the Antilles arc, through the Variscan range in Europe and Morocco, Brazil, Madagascar, Norway, and the Himalayas.

A professor since 1993 at the University of Lyon I, I was appointed in 2003 at the University Nice-Sophia Antipolis. I have been a member of the Scientific Council of this university since 2005 and Vice-President between 2007 and 2011. In addition I was President of the National Council of Universities between 1995 and 1999, an expert evaluator at the European Commission of Brussels between 1999 and 2002, Vice-President of the Scientific Council of the Bureau of Geological and Mining Research (BRGM) between 2000 and 2006. Between 2002 and 2007, I chaired the Scientific Commission "Sciences of the Earth" of the National Institute of Sciences of the Universe (INSU-CNRS). President of the National Committee for "Carte Géologique de la France" (BRGM) in the period 1999-2012, I chaired the Scientific Committee of the National Project "Référentiel Géologique de la France" between 2013 and 2018.

I am an author of several textbooks, and have contributed my scientific expertise to numerous national and international educational programs.

Recent Publications (2018-2021)

Edel J.B., Schulmann K., Lexa O., Lardeaux J.M. (2018)- Late Palaeozoic palaeomagnetic and tectonic constraints for amalgamation of Pangea supercontinent in the European Variscan belt. *Earth-Science Reviews*, 177, p. 589–612, doi : 10.1016/j.lithos.2018.08.005.

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Homonnay, E., Corsini, M., Lardeaux, J.-M., Romagny, A., Münch, P., Bosch, D., Cenki-Tok, B., Ouazzani-Touhami, M. (2018) - Miocene crustal extension following thrust tectonic in the Lower Sebtides units (internal Rif, Ceuta Peninsula, Spain): Implication for the geodynamic evolution of the Alboran domain.- *Tectonophysics*, 722, pp. 507-535. doi: 10.1016/j.tecto.2017.11.028

Navelot, V., Géraud, Y., Favier, A., Diraison, M., Corsini, M., Lardeaux, J.-M., Verati, C., Mercier de Lépinay, J., Legendre, L., Beauchamps, G. (2018) - Petrophysical properties of volcanic rocks and impacts of hydrothermal alteration in the Guadeloupe Archipelago (West Indies).- *Journal of Volcanology and Geothermal Research*, 360, pp. 1-21. doi: 10.1016/j.jvolgeores.2018.07.004

Binder, D., Lardeaux, J.-M., Dubar, M., Durrenmath, G., Muntoni, I.M., Jacomet, S., Monge, G., Lepère, C. (2018) - South-eastern Italian transfers towards the Alps during the 5th millennium BCE: Evidence of “Serra-d'Alto” ware within Square-Mouthed Pottery deposits at the Lare 2 cave (Saint-Benoit, Alpes-de-Haute-Provence, France). *Journal of Archaeological Science: Reports*, 21, pp. 222-237, doi : 10.1016/j.jasrep.2018.07.012.

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Favier, A., Lardeaux, J.-M., Legendre, L., Verati, C., Philippon, M., Corsini, M., Münch, P. and Ventalon, S. 2019. Tectono-metamorphic evolution of shallow crustal levels within active volcanic arcs. Insights from the exhumed Basal Complex of Basse-Terre (Guadeloupe, French West Indies). *BSGF - Earth Sciences Bulletin*, 190, 1, doi : 10.1051/bsgf/2019011.

Gosso, G., Lardeaux, J.-M., Zanoni, D., Volante, S., Corsini, M., Bersezio, R., Mascle, J., Spaggiari, L., Spalla, M.I., Zucali, M., Giannerini, G., Camera, L. (2019) - Mapping the progressive geologic history at the junction of the alpine mountain belt and the western mediterranean ocean, *Ofioliti*, 44 (2), pp. 97-110, doi : 10.4454/ofioliti.v44i2.527.

Filippi, M., Zanoni, D., Gosso, G., Lardeaux, J.-M., Verati, C., Spalla, M.I. (2019) - Structure of lamprophyres: A discriminant marker for Variscan and Alpine tectonics in the Argentera-Mercantour Massif, Maritime Alps. *BSGF - Earth Sciences Bulletin*, 190, art. no. A1101202800, doi : 10.1051/bsgf/2019014.

Gabriele, M., Convertini, F., Verati, C., Gratuze, B., Jacomet, S., Boschian, G., Durrenmath, G., Guilaïne, J., Lardeaux, J.-M., Gomart, L., Manen, C., Binder, D. (2019) - Long-distance mobility in the North-Western Mediterranean during the Neolithic transition using high resolution pottery sourcing. *Journal of Archaeological Science: Reports*, 28, art. no. 102050, doi : 10.1016/j.jasrep.2019.102050.

Štípská, P., Schulmann K., Racek M., Lardeaux J.M., Hacker B.R., Kylander-Clark A.R.C., Holder R., Kosulicova M. (2020) - Finite pattern of Barrovian metamorphic zones: interplay between thermal reequilibration and post-peak deformation during continental collision—insights from the Svratka dome (Bohemian Massif). *International Journal of Earth Sciences*, 109, 4, doi: 10.1007/s00531-019-01788-6.

Štípská, P., Hasalová, P., Jeřábek, P., Lexa, O., Lardeaux, J.M., Sun, M., Cosgrove, J.W. (2020) -Thermal and mechanical evolution of collisional and accretionary orogens: a volume in honour of Karel Schulmann—an introduction. *International Journal of Earth Sciences*, 109 (4), pp. 1099-1103, doi : 10.1007/s00531-020-01877-x.

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Bakili, A.E., Corsini, M., Chalouan, A., Münch, P., Romagny, A., Lardeaux, J.M., Azdimousa, A. (2020) - Neogene polyphase deformation related to the Alboran Basin evolution: New insights for the Beni Bousera massif (Internal Rif, Morocco). *BSGF - Earth Sciences Bulletin*, 191, doi : 10.1051/bsgf/2020008.

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