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Arturo Gómez-Tuena, Laura Mori, Susanne M. Straub

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# Geochemical and petrological insights into the tectonic origin of the Transmexican Volcanic Belt

Arturo Gómez-Tuena<sup>1\*</sup>, Laura Mori<sup>2</sup> and Susanne M. Straub<sup>3</sup>

<sup>1</sup>*Centro de Geociencias, Universidad Nacional Autónoma de México, Querétaro 76230, Mexico*

<sup>2</sup>*Facultad de Ingeniería, Universidad Nacional Autónoma de México, Mexico City 04510, Mexico*

<sup>3</sup>*Lamont Doherty Earth Observatory of Columbia University, Palisades NY 10964, U.S.A.*

\*Corresponding author: [tuena@geociencias.unam.mx](mailto:tuena@geociencias.unam.mx)

## Abstract

The Transmexican Volcanic Belt (TMVB) is the magmatic expression of one of the most complex convergent margins on the planet, and as such constitutes a prime location for testing emerging hypotheses on arc magma genesis and its influence on continental crust formation. By coupling an extensive geochemical and petrological database with an improved stratigraphic and geophysical framework, in this contribution we will examine

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