

Call for papers: Special issue on ‘Magnetism of Volcanic Materials— Tribute to Works of Michel Prévot’

Since the early times of paleomagnetism, volcanic rocks have been the subject of numerous investigations, in part because their stronger intensity of remanence allowed an easier measurement. The paleomagnetic study of volcanic rocks undeniably benefited from the fact that more than half a century ago, Luis Néel was able to provide a theory for the acquisition of thermoremanent magnetization of an assemblage of single domain grains. As the primary magnetization of volcanic rocks is a thermoremanence which might provide a spot reading of the field in which it was acquired, absolute paleointensity determinations or investigations of geomagnetic field reversals rely on the study of volcanic rocks. Michel Prévot has dedicated much of his extraordinarily productive research time to topics related to volcanic rocks: Among others, the study of magnetic mineralogy, self-reversal, polarity transitions, geomagnetic paleosecular variation or problems related to the determination of absolute paleointensity. As an homage to his long and fruitful scientific career, this issue will focus on the broad spectrum of topics related to the magnetism of volcanic rocks, including new developments in rock magnetism, results and methodology of absolute paleointensity determinations, the analysis of polarity transitions and paleosecular variation. The idea for this issue comes from the special session presented at AGU spring meeting in Acapulco, 2007 but we welcome any contributions if the contents meet the purpose of the special volume.

Contributors to this special issue should submit their papers to the EPS editorial office either by post or by e-mail (eps@terrapub.co.jp), following the instructions for regular EPS submission. For details, please visit the following web page:

<http://www.terrapub.co.jp/journals/EPS> and click on “Information for Contributors.”

Please state “**For Special Issue for Magnetism of Volcanic Materials**” clearly in the covering letter that accompanies the submission. We encourage electronic submissions. After papers are accepted, the authors will receive instructions for the final manuscript from the editorial office. The final deadline of manuscript submissions for this special issue is September, 30, 2007. This special issue will hopefully be published in April, 2008.

For more information on this special issue, please contact the corresponding editor (Avto Gogichaishvili, avto@geofisica.unam.mx) while questions on manuscript preparation should be addressed to the EPS editorial office.

Note: EPS accepts manuscripts of original research contributions only, and so-called “review papers” will not be accepted.

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