

## NORTH AFRICA PUBLICATIONS

### PAPERS

Gabtni, H., Zenatti, B., Jallouli, C., Mickus, K., and Bedir, M., 2010, The crustal structure of the Sahel Basin (eastern Tunisia) determined from gravity and geothermal gradients: implications for petroleum exploration, in press, *Arabian Journal of Earth Sciences*

Gabtni, H., Jallouli, C., and Mickus, K., 2008, Deep structure and crustal configuration of the Jeffara basin (Southern Tunisia) based on regional gravity, seismic reflection and borehole data: How to explain a gravity maximum within a large sedimentary basin? *Journal of Geodynamics*, v. 47, 152-162.

Mickus, K., 2007, Gravity analysis of Burkina Faso: Implications for base metal exploration, *J. African Earth Sciences*, v. 50, p. 55-66. .

Gabtni, H., Jallouli, C., Mickus, K., Zouari, H., and Turki, M., 2006, Gravity evidence for the location and nature of the Telemzan High-Ghadames basin boundary in southern Tunisia, *J. African Earth Sciences*, v. 44, p. 303-313.

Jallouli, C., Chikhaoui, M., Braham, A., Turki, M., Mickus, K., and Benassy, B., 2005, Evidence for Triassic salt dome/diapiric structures within the Jebel Debadib and Ben Gasseur region (northwestern Tunisian Atlas) from gravity and geological data: *Tectonophysics*, v. 315, p. 209-225.

Jallouli, C., Chikhaoui, M., Braham, A., Turki, M., Mickus, K., and Benassy, B., 2005, Reply to discussion on Evidence for Triassic salt dome/diapiric structures within the Jebel Debadib and Ben Gasseur region (northwestern Tunisian Atlas) from gravity and geological data: *Tectonophysics*, v. 315, p. 209-225.

Mickus, K., 2005, Review of the book "Geodynamics of Azores-Tunisia" edited by Buforn, E., Martin-Davila, J., and Udias, A.: *Geophysical Journal International*, v. 162, p. 651-652.

Gabtni, H., Jallouli, C., Mickus, K., Zouari, H., and Turki, M., 2005, Geophysical constraints on the location and nature of the North Saharan Flexure in southern Tunisia: *Pure and Applied Geophysics*, v. 162, p. 2051-2069.

Jallouli, C., Mickus, K., and Turki, M., 2002, Gravity constraints on the location and nature of the African plate boundary in northern Tunisia: *Geophys. J. International*, v. 151, p. 117-131.

Jallouli, C., Mickus, K., and Turki, M., 2002, Gravity and aeromagnetic constraints on the extent of Cenozoic volcanic rocks within the Nefza-Tabarka region, northwestern Tunisia: *J. Volc. Geoth. Res.*, v. 122, p. 51-68.

Jallouli, C., and Mickus, K., 2000, Regional gravity analysis of Tunisia: *J. of African Earth Sciences*, v. 30, p. 345-357.

Mickus, K., and Jallouli, C., 1999, Crustal and upper mantle structure of the Atlas Mountains region, Algeria and Tunisia from the analysis of gravity data: *Tectonophysics*, v. 314, p. 373-385.

### ABSTRACTS

Ben Suleman A., and Mickus, K., 2010, Magnetic and gravity study of the Al Kufra basin, southeastern Libya, presented to GSA annual meeting, Denver

Gabtni, H., Jallouli, C., and Mickus, K., 2008, How gravity analysis can be used for understanding basement tectonics and associated Oil/Gas potential: The case of the transition

- zone "Chott-Telemzan High" in southern Tunisia, presented at the 10th Tunisian Exploration and Production Conference, Tunis.
- Robinson, D., Mickus, K., and Jallouli, C., 2007, Spectral analysis of gravity data in Tunisia. presented to North-Central GSA meeting, Lawrence, KS.
- Gabtni, H., Zouari, H., Jallouli, C., Mickus, K., and Turki, M., 2006, Ghadames basin deep structuring based on gravity and magnetic anomalies (southern Tunisia), presented to the 6th Tunisian-Japanese Seminar on Culture, Science and Technology, Tunis.
- Gabtni, H., Jallouli, C., Mickus, K., Zouari, H., and Turki, M., 2005, Deep structure of the Chott Jerid Trough (southern Tunisia): presented to 2nd North African/Mediterranean Petroleum and Geosciences Meeting, Algiers.
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- Gabtani, H., Mickus, K., and Jallouli, C., 2004. Gravity analysis of the Jeffera Basin, Tunisia: presented to the 9<sup>th</sup> ETAP meeting, Tunis.
- Jallouli, C., Turki, M., and Mickus, K., 2004, Evidences of a continental subduction beneath northern Tunisia from geophysical and geological data: presented at the 32<sup>nd</sup> Intern. Geol. Congr., Florence, It.
- Jallouli, C., Mickus, K., and Turki, M., 2003, Location and nature of the African plate boundary in northern Tunisia: to be presented to 2003 North African/Mediterranean Petroleum Conference, Tunis, Tunisia.
- Jallouli, C., and Mickus, K., 2003, Gravity constraints on the crustal thickness of northern Africa, western Mediterranean, to be presented to International Union of Geodesy and Geomagnetism, Sapporo, Japan.
- Mickus, K., Jallouli, C., and Turki, M., 2002, Gravity constraints on the northern margin of Tunisia: presented to GSA sectional meeting, Lexington.
- Jallouli, C., and Mickus, K., 2000, Analyse des donnees gravimetriques regionales de al Tunisie, presented to 70<sup>th</sup> meeting of the Geological Society of Tunisia, Tunis.
- Mickus, K., and Jallouli, C., 2000, Gravity and magnetic constraints on Neogene igneous rocks, Northwestern Tunisia. presented at the 62<sup>nd</sup> EAEG meeting, Glasgow, Scotland.
- Jallouli, C., and Mickus, K., 1999, Thickness of Paleozoic and Mesozoic sedimentary basins in Tunisia determined from the analysis of regional gravity data, presented to the International Association of Sedimentologists meeting, Copenhagen, Denmark.
- Jallouli, C., and Mickus, K., 1999, Regional gravity study of Tunisia, presented at North-central GSA meeting, Champaign, IL.