

CURRICULUM VITAE

Name: Derder

First name: Mohamed El-Messaoud

Date of birth: 17 January 1958

Address: C.R.A.A.G. B.P. 63 Bouzreah 16340 Alger, Algeria.

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EDUCATION

- 1989: PhD University - University of Orsay Paris XI, France

- 1986: Doctorat 3ème cycle in Geophysics and Geochemistry - University of Orsay Paris XI, France

- 1984: Diploma of Advanced Studies (DEA) Geophysics - University of Orsay Paris XI, France.

- 1982: D.E.S. (Diploma of High Studies) of Physics, Option Geophysics, at the University of Sciences and Technology Houari Boumediène (USTHB) of Algiers.

EMPLOYMENT HISTORY

- June 2000 – Present: Research Director at the Centre for Research in Astronomy, Astrophysics and Geophysics (CRAAG), Algiers.

- July 1993 - June 2000: Senior Scientist at CRAAG), Algiers

- July 1989 to July 1993: Research Scientist at CRAAG), Algiers

- January 1987 to July 1989: Research Associate at the Centre for Research in Astronomy, Astrophysics and Geophysics (CRAAG), Algiers

RESEARCH RELATED ACTIVITIES:

Principal Investigator in several collaborative works with national and international teams:

- 1988- 1992: project CNRS (France) -DPRS (MERS):

"Paleomagnetic study of the Algerian Sahara: Pangea Configuration between Cambrian to Jurassic".

Foreign partners: Lab. Geomagnetism St Maur (CNRS) and University Paris 6, France.

National Partners: Sonatrach, Exploration Department.

- 1995-1999: project "CMEP": N°: **95 MDU 332**:

"Paleogeography of NW Hoggar basins during the Middle Paleozoic: contribution of sedimentology, tectonics and paleomagnetism."

Foreign partners: Laboratory of Geophysics and Tectonics of the University of Montpellier 2 and the Institute of Earth Physics of Paris (IPGP), France.

National Partners: Sonatrach, Dept. Exploration and the Earth Science Institute, University of Science and Technology Houari Boumediene (US.T.H.B)

- 1998-2000: National Research Project (PNR 1):
"Paleogeography of the Tin Serririne basin during the Paleozoic: tectonic-sedimentary and paleomagnetic investigations"
National Partners: Centre for Research and Development of Materials (CREM-HCR).

- 2000-2004: project "CMEP": N°: **01MDU521**:
" Geodynamical history of Tin Seririne / Tin Mersoi basin (SE Hoggar, Algeria): Contribution of tectonics, sedimentology and paleomagnetism. "
Foreign partners: Institute of Earth Physics of Paris (IPGP), France.
National Partners: Earth Science Institute of the University of Science and Technology Houari Boumediene
National Company of gold (ENOR)

- 2005-2007: project DEF (MERS) - CNRS (France):
"Characterization of the accidents of the Central Hoggar (Algeria): Structural analysis and Anisotropy of Magnetic Susceptibility (AMS) of Pan-African granites"
Foreign partners: Institute of Earth Physics of Paris (IPGP), France.
National Partners: Earth Science Institute of the University of Science and Technology Houari Boumediene

-2008-2011: project CMEP: N°: **08MDU752**:
"Structure and geodynamic evolution of seismogenic Chéllif basin: Contribution to the reduction of seismic risk in the region of El Asnam"
Foreign partners: Institute of Earth Physics of Paris (IPGP), France.
National Partners: University of Chlef, Earthquake Engineering Center (CGS).

-2011 - Present : CRAAG project approved by the Scientific Council
"Neotectonics of the Northern Algeria: Contribution of structural and paleomagnetic methods"
National Partners: Earth Science Institute of the University of Science and Technology Houari Boumediene, USTHB

co-Principal Investigator of an international project:

- 2012-2015: project CMEP: N°: **12 MDU 878**:
"Meso-Cenozoic geodynamic evolution of the regions of Atakor and Serouanout: Contribution to the knowledge of the origin and history of the vertical movements of the lithosphere under the central Hoggar (Algeria)"
National Partners: Earth Science Institute of the University of Science and Technology Houari Boumediene, USTHB
Foreign partners: Earth Science Department, Orsay Paris 11 University.

Other:

- Chair of Department of Geophysics CRAAG from October 1998 to October 1999.
- Secretary General of CRAAG from October 1999 to October 2000.
- Chair of Laboratory of Gravity, Geodesy and Geothermal Energy from December 2001 to April 2005.
- Chair of the Laboratory of Geomagnetism from April 2005 to January 2013.
- Director of Earth Physics Division from January 2013 to present.
- Member of various Scientific Councils that have succeeded in CRAAG.
- Several times member of the Advisory Board at CRAAG
- Expert of the National Agency for Geology and Mining Control (ANGCM).
- Ex - Member of the Standing Sectorial Committee for Scientific Research and Technological Development at the Ministry of Interior.
- Ex - Scientific Expert to the National Agency for Development and Academic Research (ANDRU).
- Ex - Member of the National Commission Researchers Rating (CNEC).
- Founding member of the "Algerian Academy of Sciences and Technology".

SUPERVISION OF ENGINEERING STUDENTS

Ghezali, Ouahiba and Ziat Nadia, Thesis title: "Etude paléomagnétique : Méthodologie et exemple d'application à des formations paléozoïques du bassin d'Illizi", IST/USTHB, June 1992.

SUPERVISION OF GRADUATE STUDENTS

Bayou, Boualem, (Magistère) Dissertation title: "Paléomagnétisme des Ignimbrites précambriennes de Djebel Boukheissat, (Chaîne de l'Ougarta)", Institut National des Hydrocarbures et de la Chimie, Boumerdes, December 1995.

Amenna, Mohamed, (Magistère) Dissertation title : « Paléomagnétisme des formations paléozoïques du bassin de Tin Seririne (Sud Est du Hoggar), Algiers, USTHB- December 2008.

Bayou, Boualem, (Doctorat d'état) PhD Dissertation title : " Contribution à l'étude du Sahara algérien : Apport du paléomagnétisme et de l'Anisotropie de Susceptibilité Magnétique " USTHB, Algiers, November 2004.

- Amenna, Mohamed of the PhD Dissertation title : " Paléomagnétisme des formations paléozoïques de la région d'In ezzane (Sud Est Algérie) » defense expected at October 2015 ..

- Nouar, Omar, Co supervision, PhD Dissertation title : " Contribution à la connaissance du Hoggar Oriental au cours du Pan-Africain : Etude structurale et Anisotropie de Susceptibilité Magnétique (AMS) de la région de l'accident majeur du 8°30 » Algiers, USTHB , March 2012.

Jury member for various masters (magistères) and PhD (doctorat) dissertations:

BOUABDALLAH, Hamza, Magistère Dissertation title "Contribution à l'étude paléomagnétique des formations paléozoïques de l'Ouest du Sahara", November 1998, l'Institut des Sciences de la Terre (U.S.T.H.B.)

KHERROUBI, Abdelaziz , Magistère Dissertation title : « Paléomagnétisme des formations paléozoïques des bassins ouest sahariens » June 2003, Faculty of Earth Sciences, (USTHB).

BOUKERBOUT, Hassina, Magistère Dissertation title " Retraitement des données aéromagnétiques de l'Algérie ", November 2000, Faculty of Earth Sciences, (USTHB).

REDOUANE, Farid, Magistère Dissertation title " Détermination et Analyse du Géoïde gravimétrique en Afrique du Nord », July 2003," July 2003, Faculty of Earth Sciences, (USTHB).

DJEDDI, Mohamed, (Doctorat d'état) PhD Dissertation title " Nouvelles méthodes d'interprétation 3D des données électromagnétiques", September 1999, the Institute of Earth Sciences (USTHB).

BOUHAMEUR, Mansour, (Doctorat d'état) PhD Dissertation title " Diatomées messiniennes du bassin de bas Chelif (Algérie nord occidentale) University of Oran, December 2004.

YAHIAI, Yasmina, (Doctorat d'état) PhD Dissertation title : "Etudes Multi-échelles, Multi-résolutions des données de champs de potentiels", Faculty of Earth Sciences, USTHB 2008.

BOUZID, Abderazak, PhD Dissertation title: " Apport des données magnétotelluriques à l'étude Géodynamique du Hoggar" Faculty of Earth Sciences, USTHB 2010.

LAMALI, Athman, PhD Dissertation title: " Analyse magnéto-structurale des complexes magmatiques de la Chaîne de l'Ougarta : Apport de l'Anisotropie de Susceptibilité Magnétique (ASM) et du paléomagnétisme ", Faculty of Earth Sciences, U.S.T.H.B., May 2013.

TEACHING ACTIVITIES

- Lecturer in graduation and post graduation at the Department of Geophysics of the Institute of Earth Sciences (currently FSTGAT), U.S.T.H.B, 1992 to 1999.

AWARDS:

- Price for the best thesis awarded by the French National Centre for Scientific Research (CNRS) in 1987.
- Winner of the Grand Prize for Science in 2000 Governorate of Algiers,

MEMBERSHIPS:

-European Geosciences Union (EGU), member since 2005

REFEREED PUBLICATIONS

H. BOUKERBOUT, A. ABTOUT, D. GIBERT, B. HENRY, B. BOUYAHIAOUI, M.E.M. DERDER. Identification of deep magnetized structures in the tectonically active Chlef area (Algeria) from aeromagnetic data analyzed with 2-D and 3-D imaging derived from the wavelet and ridgelet transforms. *Journal of Applied Geophysics* (2018); <https://doi.org/10.1016/j.jappgeo.2018.04.026>

B. HENRY, M.E.M. DERDER, M. AMENNA, S. MAOUCHE B. BAYOU: Better constrained selection of the Paleozoic West Gondwana (South America) paleomagnetic poles for the APWP's determination. *Stud. Geophys. Geod.*, **61** (2017), DOI: 10.1007/s11200-016-1036-9.

M. AMENNA, M.E.M. DERDER, B. HENRY, S. MAOUCHE, B. BAYOU, R. BESTANDJI, H. BOUABDALLAH, A. OUABADI, M. AYACHE AND M. BEDDIAF: Chemical remagnetization acquisition processes: Case study of the Saharan basins (Algeria). *Arab J. Geosci.* (2017) **10:379**, DOI 10.1007/s12517-017-3165-z

M.E.M. DERDER, S. MAOUCHE, J.P. LIEGEOIS, B. HENRY, M. AMENNA, A. OUABADI, H. BELLON, O. BRUGUIER, B. BAYOU, R. BESTANDJI, O. NOUAR, H. BOUABDALLAH, M. AYACHE, M. BEDDIAF: Discovery of a Devonian mafic magmatism on the western border of the Murzuq basin (Saharan metacraton): Paleomagnetic dating and geodynamical implications. *Journal of African Earth Sciences* **115** (2016) **159-176**.

M. AMENNA, M.E.M. DERDER, B. HENRY, B. BAYOU, S. MAOUCHE, H. BOUABDALLAH, A. OUABADI, M. AYACHE AND M. BEDDIAF: Improved Moscovian part of the Gondwana APWP for paleocontinental reconstructions, obtained from a first paleomagnetic pole, age-constrained by a fold test, from In Ezzane area in the Murzuq basin (Algeria, stable Africa), *Journal of African Earth Sciences* **99**, 342–352, (2014).

B. HENRY, M.E.M. DERDER, M. AMENNA, S. MAOUCHE B. BAYOU, A. OUABADI, H. BOUABDALLAH, M. BEDDIAF, M. AYACHE AND R. BESTANDJI: Paleomagnetic dating of continental geological formations: Strong diachronism evidenced in the Saharan platform and geodynamical implications, *Journal of African Earth Sciences* **99** 353–362, (2014).

ROUGIER S, MISSENARD Y., GAUTHERON C., BARBARAND J., ZEYEN H., LIEGEOIS J.P., BONIN B., OUABADI A., DERDER M.E.M., FRIZON DE LAMOTTE D., Eocene exhumation of the Tuareg shield, *Geology*, doi:10.1130/G33731.1, (2013).

M.E.M. DERDER, B. HENRY, S. MAOUCHE, B. BAYOU, M. AMENNA, J. BESSE, M. BESSEDIK, D. BELHAI AND M. AYACHE: Transpressive tectonics along a major E-W crustal structure on the Algerian continental margin: blocks rotations revealed by a

paleomagnetic analysis. *Tectonophysics*, 593, 183–192, (2013).

O. NOUAR, B. HENRY, J.P. LIÉGEOIS, M.E.M. DERDER, B. BAYOU, O. BRUGUIER, A. OUABADI, M. AMENNA, A. HEMMI, M. AYACHE: Eburnean and Pan-African granitoids and the Raghane mega-shear zone evolution: Image analysis, U–Pb zircon age and AMS study in the Arokam Ténéré (Tuareg shield, Algeria), *Journal of African Earth Sciences* 60, 133–152, (2011).

DERDER M.E.M., HENRY B., AMENNA M., BAYOU B., MAOUCHE S., BESSE J., ABTOUT A., BOUKERBOUT H., BESSEDIK M., BOUROUIS S. AND AYACHE M.: “Tectonic Evolution of the Active "Chelif" Basin (Northern Algeria) from Paleomagnetic and Magnetic Fabric Investigations”, in “ New Frontiers in Tectonic Research at the Midst of Plate Convergence “**Intech Publisher**” book, pp: 3-26, **Intech Publisher**, ISBN 978-953-307-594-5, 2011.

M. A. GUEMACHE, H. DJELLIT, M. E. M. DERDER, S. GHARBI et H. YMMEL: Nouvelles données structurales sur la bordure nord orientale du bassin de l'Ahnet (Nord- Ouest Hoggar, Algérie). Implications dans la structuration des séries paléozoïques. *Bulletin du Service Géologique National*, Vol.21 N°1 pp. 25-37, (2010).

M. A. GUEMACHE, A. LOUNI-HACINI, H. DJELLIT, A. OUABADI, A. BENHALLOU, M.E. M. DERDER: Etude de clinopyroxènes des basaltes panafricains d'Aïn Kahla (Sahara central, Algérie) et implications géodynamiques, *Bulletin du Service Géologique National*, Vol. 21, n°2, pp. 137-150, (2010).

M.E.M. DERDER, B.HENRY, M.AMENNA, B. BAYOU, H. DJELLIT, M. A. GUEMACHE, and A.HEMMI. New structural implications for central Sahara (Algeria) from revisited Upper Carboniferous "Hassi Bachir" Formation : Paleomagnetic constraints. *Tectonophysics* 463, 69–76, (2009).

B. HENRY, J.P. LIÉGEOIS, O. NOUAR, M.E.M. DERDER, B. BAYOU, O. BRUGUIER, A. OUABADI, D. BELHAI, M. AMENNA, A. HEMMI, M. AYACHE: Repeated granitoid intrusions during the Neoproterozoic along the western boundary of the Saharan metacraton, Eastern Hoggar, Tuareg shield, Algeria: An AMS and U–Pb zircon age study. *Tectonophysics* 474, 417–434, (2009).

M.A. GUEMMACHE, B. HENRY, H. DJELLIT and M.E.M. DERDER: Preliminary study of Anisotropy of Magnetic Susceptibility of the Ain Khala Late Panafrican granites (North West Hoggar, Algeria) and structural implications. *Bulletin du Service Géologique National*, vol. 20, n°2, pp. 1-14, (2009).

B. HENRY, M. E.M. DERDER, B. BAYOU, M. A. GUEMACHE, O. NOUAR, A. OUABADI, H. DJELLIT, M. AMENNA, and A. HEMMI - Inhomogeneous shearing related to rock composition: Evidence from a major late-Panafrican shear zone in the Tuareg shield (Algeria) *Swiss Journal Geosciences*, 101 453–464, (2008)

-B. HENRY, N. JORDANOVA, D. JORDANOVA, , M.E.M. DERDER, B. BAYOU et M. AMENNA - Composite magnetic fabric deciphered using heated treatments *Studia Geophysica Geodaetica*, 51, 1, (2007).

-B. HENRY, B. BAYOU, M.E.M. DERDER, , H. DJELLIT, A. OUABADI, A. KHALDI et A. HEMMI.- Late Panafrican evolution of the main Hoggar faults: implications of magnetic fabric study in the In Telloukh pluton (Tin Serririne basin, Algeria) *Journal of African Earth Science* 49, 211–221, (2007).

- H. DJELLIT, H. BELLON, A. OUABADI, M.E.M. DERDER, B. HENRY, B. BAYOU, A. KHALDI, K. BAZIZ, and M.K. MERAHI : Age $^{40}\text{K}/^{40}\text{Ar}$, Dévonien supérieur, du volcanisme basique filonien du synclinal paléozoïque de Tin Serririne, Sud-est Hoggar (Algérie), *Compte Rendu Geosciences*, 338 624-631. (2006).

- M.E.M. DERDER, B. HENRY, B. BAYOU, A. OUABADI, H. BELLON, H. DJELLIT, A. KHALDI, M. AMENNA, K. BAZIZ, A. HEMMI and M.A. GUEMMACHE : New African Lower Carboniferous paleomagnetic pole from intrusive rocks of the Tin Serririne basin (Southern border of the Hoggar, Algeria), *Tectonophysics*, 418 189-203. (2006),

- B. SMITH, M.E.M. DERDER, B. HENRY, B. BAYOU, A.K. YELLES, H. DJELLIT, M. GARCES, E. BEAMUD, J.P. CALLOT, R. ESCHARD, A. CHAMBERS, T. AIFA, R. AIT OUALI and H. GANDRICHE. Unravelling the two tectonics phases undergone by a doleritic sill in the Reggane Basin (Algerian Sahara) : *Geophysical Journal International*, 167 380-396. (2006).
- B. HENRY, M.E.M. DERDER, B. BAYOU , A. OUABADI, D. BELHAI, J. BESSE and A. HEMMI Magnetic fabric of Late Pan-African plutons of the Tamanrasset area (Hoggar shield, Algeria) and structural implications, *Africa Geoscience Revue*, Vol 13, N°1,41-52, (2006).
- B. HENRY, N. MERABET, M.E.M. DERDER and B. BAYOU, : Chemical remagnetizations in the Illizi basin (Saharan craton, Algeria) and their acquisition process, *Geophysical Journal International*, 156, 200-212 (2004).
- B. HENRY, H. DJELLIT, B. BAYOU, M.E.M. DERDER, A. OUABADI, M. K. MERAHI, K. BAZIZ, A. KHALDI and A. HEMMI: Emplacement and fabric-forming conditions of the Alous-En-Tides granite, eastern border of the Tin Seririne/Tin Mersoi basin (Algeria): Magnetic and visible fabrics analysis, *Journal of Structural Geology*, 26, 1647-1657, (2004).
- T. AIFA, H. FEINBERG, M.E.M. DERDER & N. MERABET : Contraintes magnétostratigraphiques sur la durée de l'interruption des communications marines en Méditerranée occidentale pendant le Messinien. *Géodiversitas* 25, (4), 2003.
- B. BAYOU, M.E.M. DERDER, B. HENRY, H. DJELLIT and M. AMENNA Premier pôle paléomagnétique, d'âge moscovien contraint par un test du pli, obtenu dans le bassin d'Illizi (craton saharien, Algérie), *Compte Rendu Geosciences*, 334, 1-7. (2002).
- H. DJELLIT, B. HENRY & M.E.M. DERDER, : Sur la présence d'une série molassique (de type série pourprée) au Sud-Est de l'Ahaggar (In Guezzam, Ahaggar, Algérie) *Compte Rendu Geosciences* 334, 789- 794. (2002).
- A.K. YELLES, R. AIT OUALI, R. BRACENE, M.E.M. DERDER, and H. DJELLIT: Chronologie de l'ouverture du bassin des Ksour (Atlas Saharien, Algérie) au début du Mésozoïque ; *Bull. Soc. géol. France*, 172, n°3, pp 285-293. (2001).
- M.E.M. DERDER, B. HENRY, N. MERABET, M. AMENNA and S. BOUROUIS : Upper Carboniferous Paleomagnetic Pole from stable Saharan craton and the Gondwana reconstructions, *Journal of African Earth Science*, Vol. 32 N°3, 491-502, (2001).
- M.E.M. DERDER, B. HENRY, B. BAYOU, M. AMENNA and H. DJELLIT: New Moscovian Paleomagnetic Pole From the Edjeleh fold (Saharan craton, Algeria), *Geophysical Journal International*, 147, 345-355, (2001).
- M.E.M. DERDER, B. SMITH, B. HENRY, B. BAYOU, A. K. YELLES, H. DJELLIT, R. AIT OUALI and H. GANDRICHE: Juxtaposed and superimposed paleomagnetic components from the folded Middle Carboniferous sediments in the Reggane Basin (Saharan craton, Algeria), *Tectonophysics*, 332, 403-422. (2001).

- M.E.M. DERDER, B. HENRY, N. MERABET, B. BAYOU and M. AMENNA : Paleomagnetism of the Liassic member of the Zarzaïtine Formation (Stable Saharan craton, Illizi Basin, Algeria), *Annali di Geofisica*, Vol. 44, N° 5-6. (2001).
- B. KIES, B. HENRY, N. MERABET, M.E.M. DERDER and L. DALY. New late triassic-liassic paleomagnetic pole from superimposed and juxtaposed magnetizations in the saharan craton and geodynamical implications. *Geophys. Journal Int.* 120, , 433-444, (1995).
- B. KIES, M.E.M. DERDER, B. HENRY et N. MERABET. "Séparation des aimantations superposées et juxtaposées dans des formations du Trias terminal-Lias du craton saharien". *Comptes Rendus de l'Académie des Sciences Paris*. t. 318, Série II, p. 777-782, (1994).
- M.E.M. DERDER, B. HENRY, N. MERABET. and L. DALY. Paleomagnetism of the Stephano-Autinian Lower Tiguentourine formation from the stable saharan craton (Algeria). *Geophysical Journal International*,, 116, 12-22. 1994.
- B. HENRY, N. MERABET, A. YELLES, M.E.M. DERDER, L. DALY. Geodynamical implications of a Moscovian paleomagnetic pole from the stable Sahara craton (Illizi Bassin, Algéria) . *Tectonophysics*, 201, 83-96, (1992).
- T. AIFA, H. FEINBERG, M.E.M. DERDER & N. MERABET. "Rotations paléomagnétiques récentes dans le bassin du Chélif (Algérie)". *Comptes Rendus de l'Académie des Sciences Paris*, t. 314, Série II, p. 915-922. (1992).
- B. HENRY, N. MERABET, A. YELLES, M.E.M. DERDER and L. DALY. Geodynamical implication of new paleomagnetic poles from permo-carboniferous of the Sahara. *Bull. Soc. géol. France*, 163, N°4, pp. 403-406. (1992).
- B. HENRY M.E.M. DERDER et N. MERABET "La dérive de l'Afrique stable au Paléozoïque supérieur, nouvel apport de la méthode paléomagnétique. " *Comptes Rendus de l'Académie des Sciences Paris*, t. 315, Série II, p. 673-676. (1992).
- M.E.M. DERDER, C. PLESSARD & L. DALY. "Mise en évidence d'une transition de polarité du champ magnétique terrestre dans les basaltes miocènes des Kerguelen". *Comptes Rendus de l'Académie des Sciences (C. R. Acad. Sci.) Paris* t. 310, Série II, p. 1401-1407, 1990.
- N. MERABET, B. HENRY, A. YELLES et M.E.M. DERDER. "Nouveaux pôles paléomagnétiques carbonifères supérieur- permien inférieur dans le craton stable saharien (Bassin d'Illizi,Algérie)." *Comptes Rendus de l'Académie des Sciences Paris*., t.311, Série II, p. 1499-1504, 1990.
- M. PREVOT, M.E.M. DERDER, M. Mc WILLIAMS and J. THOMPSON. Intensity of the Earth's magnetic field: evidence for a Mesozoic dipole low. *Earth and Planetary Science Letters*, 97 129-139. (1990)
- M.E.M. DERDER, J. THOMPSON, M. PREVOT and M. MC WILLIAMS. Geomagnetic field intensity in Early Jurassic: investigation of the Newark Supergroup (Eastern North America). *Physics of the Earth and Planetary Interiors*, 58, 126-136. (1989)

CONFERENCE PRECEEDINGS

- B. BAYOU, M.E.M. DERDER, and T. AIFA: Possible origins of remagnetization in the Cambrian ignimbrite of Djebel Boukhbeissat (Ougarta belt, SW Algeria): Rock magnetic investigations. Proc. of the Second International Symposium on Geophysics (Tanta, Egypte) 184-189. (1999).

- B. BAYOU, B. SMITH, M.E.M. DERDER, K. YELLES, B. HENRY, and H. DJELLIT: Palaeomagnetic Investigations in Devonian Rocks from the Central Sahara (Algeria), Proc of the First International Symposium on Geophysics (Tanta, Egypte), , 119-128. (1999).

- A.K. YELLES CHAUCHE, M.E.M. DERDER, H. DJELLIT, A. ABTOUT and A. BOUDIAF. Seismicity of the Algerian Margin : Origin and Consequences, Proc. of the First International Symposium on Geophysics (Tanta, Egypte), , 245-252. (1999).

- M.E.M. DERDER, B. BAYOU and T. AIFA: Paleomagnetic results from the Early Cambrian ignimbrite of the Ougarta belt (Algerian saharan platform), and Geodynamical Implications. " Turkish Association of Petroleum Geologist " Special Publication-3 , (1997).

TALKS

- M.E.M. DERDER, N. MERABET, B. HENRY. Résultats paléomagnétiques préliminaires des séries du Tiguentourine inférieure (Bassin d'Ilizi). IIème Séminaire de Géologie pétrolière. Boumerdes (Algérie) 21-24 Octobre 1991.

-M.E.M. DERDER, C. PLESSARD et L. DALY : Mise en évidence d'une transition de polarité du champ magnétique terrestre dans des basaltes miocènes des Iles Kerguelen. 9ème Séminaire National des Sciences de la Terre. Tlemçen, (Algérie) 25-27 Octobre 1992.

-M.E.M. DERDER, B. HENRY, N. MERABET and S. BOUROUIS : New Upper Bashkirian paleomagnetic pole from the stable saharan craton (Illizi basin, Algeria). 7th Scientific Assembly of the International Association of Geomagnetism and Aeronomy (I.A.G.A.), August 8-20 1993, Buenos Aires, Argentina.

- M.E.M. DERDER, B. HENRY and N. MERABET: Palaeomagnetism of the Middle Zarzaïtine formation of Liassic-Dogger age from the stable Saharan craton (Illizi Basin, Algeria), XIXth General Assembly of the European Geophysical Society (E.G.S.), 25-29 April 1994, Grenoble, France

-M.E.M. DERDER, B. HENRY, N. MERABET, M. AMENNA and S. BOUROUIS : Bashkirian paleomagnetic pole from the stable saharan craton and geodynamical implications. International Geological Correlation Program (IGCP) Project 351,Rabat, Nov. 29-Dec. 7 1994, Morocco

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