

## UNITE DE RECHERCHES

### « GEOCHIMIE ISOTOPIQUE ET GEODYNAMIQUE CHIMIQUE »

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#### LISTE DES TRAVAUX SCIENTIFIQUES PUBLIES (20 janvier 2011)

##### A. Participation à la rédaction du cours.

- «Eléments de Géologie, Minéralogie et Géographie Physique »  
J. MICHOT, D. DEMAIFFE et J. LEGRAND  
Fascicule II : Minéralogie et Cristallographie, 160 pp.  
Fascicule III : Minéralogie pratique et notes de T.P., 116 pp.  
Presses Universitaires de Bruxelles, Première Edition, 1973-1974.
- « Eléments de Géologie (GEOL 026)» (deuxième partie), 134pp.  
D. DEMAIFFE  
Presses Universitaires de Bruxelles, Première Edition, 2002-2003.
- « Eléments de minéralogie et de cristallographie » (Travaux pratiques), 220pp.  
D. DEMAIFFE et A. BERNARD  
Presses Universitaires de Bruxelles, Première Edition, 2003-2004.
- « Introduction aux Sciences de la Terre », 140pp  
D. DEMAIFFE  
Presses Universitaires de Bruxelles, Première Edition, 2004-2005.

##### B. Editeur d'ouvrage collectif.

- D. DEMAIFFE (Editor) «Petrology and Geochemistry of magmatic suites of rocks in the continental and oceanic crusts. A volume dedicated to Professor Jean Michot». *ULB - RMCA*, 385 pp, 1996.
- H. DOWNES, D. DEMAIFFE and U. KRAMM (Editors) «Alkaline Magmatism and Xenoliths from the Baltic Shield», *Special Issue of Lithos*, 51, 1-2, 152 pp, 2000.

##### C. Publications

1. D. DEMAIFFE - Etude pétrologique de l'apophyse S.E. du massif de Bjerkrem-Sogndal. *Ann. Soc. Géol. Belgique*, 95, 255-269, 1972.
2. D. DEMAIFFE, J.C. DUCHESNE, J. MICHOT et P. PASTEELS - Le massif anorthosito-leuconoritique d'Hidra et son faciès de bordure. *C.R. Acad. Sc. Paris*, D17-D20, 1973.
3. J.C. DUCHESNE, I. ROELANDTS, D. DEMAIFFE, J. HERTOGEN, R. GIJBELS et J. DE WINTER - Rare earth data on monzonitic rocks related to anorthosites and their bearing on

the nature of the parental magma of the anorthositic series. *Earth and Planetary Sciences Letters*, 24, 325-335, 1974.

4. D. DEMAIFFE, J. MICHOT et P. PASTEELS - Time relationships and strontium isotopic evolution in the magma of the anorthosite-charnockite suite of South Norway. "3rd Intern. Conf. Geochronol., Cosmochronol. and Isotope Geology (ICOG3)", Paris, 35-37, 1974.
5. D. DEMAIFFE et J. MICHOT - Genèse et évolution des magmas et le problème des anorthosites. *Actes du 94e Congrès de l'A.F.A.S. - Section 00809*, 11 p., 1975.
6. D. DEMAIFFE - Les massifs satellites anorthosito-leuconoritiques d'Hidra et de Garsaknatt : leur signification pétrogénétique. *Ann. Soc. Géol. Belg.*, 100, 167-174, 1978.
7. J.C. DUCHESNE et D. DEMAIFFE - Trace elements and anorthosite genesis. In C.J. Allègre et S.R. Hart (Eds) : "Trace Elements in Igneous Petrology" *Earth Planet. Sci. Lett*, 38, 249-272, 1978 (volume en hommage à P.W. GAST).
8. D. DEMAIFFE - The origin of anorthosites : geochemical and isotopic constraints. "4<sup>th</sup> Intern. Conf. Geochron., Cosmochron. and Isotope Geology (ICOG4)", *U.S. Geol. Surv., Open-File Report 78-701*, 88-90, 1978.
9. P. PASTEELS, D. DEMAIFFE et J. MICHOT - Chronology of successive intrusions in the Eastern part of the South Rogaland Igneous Complex, S. Norway. "4<sup>th</sup> Intern. Conf. on Geochron., Cosmochron. and Isotope Geology, *U.S. Geol. Surv., Open-File Report 78-701*, 324-326, 1978.
10. D. DEMAIFFE, J.C. DUCHESNE et J. HERTOGEN - Trace element variations and isotopic composition of charnockitic acidic rocks related to anorthosites (Rogaland - S.W. Norway). In L.H. Ahrens (Ed.) : "The Origin and Distribution of the Elements", 2nd Symposium, Pergamon, 417-429, 1979.
11. P. PASTEELS, D. DEMAIFFE et J. MICHOT - U-Pb and Rb-Sr geochronology of the eastern part of the South Rogaland igneous complex, S. Norway. *Lithos*, 12, 199-208, 1979.
12. D. DEMAIFFE, M. DELVIGNE et F. DUREZ - Détermination du Rb et du Sr par spectrométrie de fluorescence X et dilution isotopique en vue d'applications géochronologiques. *Rapport annuel, 1978, Départ. de Géologie, M.R.A.C.*, 53-63, 1979.
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15. D. DEMAIFFE et M. JAVOY -  $^{18}\text{O}/^{16}\text{O}$  ratios in anorthosites and related rocks from Rogaland Complex (S.W. Norway). *Contr. Mineral. Petrol.*, 72, 311-317, 1980.
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17. D. DEMAIFFE et J. HERTOGEN - Rare earth element geochemistry and strontium isotopic composition of a massif-type anorthositic-charnockitic body : the Hidra massif (Rogaland - S.W. Norway). *Geochim. Cosmochim. Acta*, 45, 1545-1561, 1981.

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19. D. WEIS et D. DEMAIFFE - Age relationships in the Proterozoic high-grade gneiss region of Southern Norway : discussion and comment. *Precamb. Res.*, 22, 149-155, 1983.
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