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EDUCATION AND EXPERIENCE

■ 2012-Now Assistant-Professor in Geology

- Teach courses of mineralogy, ore deposits, petrology...
- Faculty of Sciences of Gafsa

■ 2011-2012: Researcher (postdoc), INRAP-Sidi Thabet, Tunisia

■ 2007-2011 PhD in Geology

- Genesis of Pb-Zn ore deposits in Northern Tunisia : constraints from (Pb, S, C, O) isotopic systems geochemistry
- Faculty of Sciences of Tunis.

■ 2004-2006 Master in Minerals Resources: exploration and valorization

- Faculty of Sciences of Tunis

■ 2001-2004 Bachelor in Sciences of the Earth

- Speciality Georesources
- Faculty of Sciences of Tunis

■ 1993-1999 Baccalaureat Maths

- School 9 Avril 1938 of Sidi Bouzid

INTERNSHIPS AND SHORT COURSES

■ **2015.** Short courses in Introduction to Secondary Ion Mass Spectrometry in the Earth Sciences. Potsdam, Germany.

■ **2009-2010.** Internship at the University of Lausanne and Bern (6 months): stable and radiogenic isotopes analyses.

■ **2008-2009.** Internship at the University of Geneva and Bern (6 months): training courses in ore deposits and isotope geochemistry, radiogenic isotopes analyses.

LANGUAGE AND COMPUTER SKILLS

■ Languages

- Arabic (mother tongue)
- French (Good knowledge).
- English (Level 7, AMIDEAST TUNISIE).

■ Computer skills

- ArcView, Adobe Photoshop, Adobe Illustrator, Corel Draw, GeoxDraw, Fireworks.
- Logplot, Hight Score, SigmaPlot...

PUBLICATIONS

- Larbi Rddad, **Nejib Jemmali**, Marta Sosnicka, Brian Cousens (2019). The genesis of the salt diapir-related Mississippi-Valley-Type Ba-Pb-(±Zn) ore of the Slata district, Tunisia: The role of halokinesis, hydrocarbon migration, and Alpine orogenesis. *Economic Geology*. v. 114, no. 8, pp. 1599–1620.
- Larbi Rddad, **Nejib Jemmali**, Emmanuel John M. Carranza, Markus Wälle (2019). Organic matter and metal contents within the Cretaceous rocks of the Slata-Guern Halfaya area, North-Central Tunisia: Implication for genesis. Article in press. *Ore Geology Reviews*, Volume 113, 103070.
- **Nejib Jemmali**, Larbi Rddad, Fouad Souissi, Emmanuel John M. Carranza (2019). The ore genesis of the Jebel Mecella and Sidi Taya F-Ba (Zn-Pb) Mississippi Valley-type deposits, Fluorite Zaghouan Province, NE Tunisia, in relation to Alpine orogeny: constraints from geological, sulfur and lead isotope studies. *Comptes rendus – Geoscience*. vol. 351, no 4, p. 312-320.
- **Jemmali, N.**, & Souissi, F. (2018). Lead Isotopes as Tracers of Metal Sources and Timing of the Carbonate-Hosted Pb-Zn Deposits in the Nappes Zone, Northern Tunisia. In *Contributions to Mineralization*. (pp. 111-125). InTech. ISBN: 978-953-51-3749-8.
- **Jemmali, N.**, Carranza, E. J. M., & Zimmel, B. (2017). Isotope geochemistry of Mississippi Valley Type stratabound F-Ba-(Pb-Zn) ores of Hammam Zriba (Province of Zaghouan, NE Tunisia). *Chemie der Erde-Geochemistry*. 77, 477–486
- **Jemmali, N.**, Souissi, F., Carranza, E. J. M., & Henchiri, M. (2016). Geochemistry of Triassic Carbonates: Exploration Guide to Pb–Zn Mineralization in North Tunisia. *Resource Geology*, 66(4), 335-350.
- **Jemmali, N.**, and Souissi, F., (2016). Gîtologie des minéralisations Pb-Zn du Nord de la Tunisie: Étude pétrographique, minéralogique et géochimique des minéralisations à Pb-Zn en bordure du Trias du Nord de la Tunisie. Editor : Editions universitaires européennes EUE. ISBN : 978-3-639-54098-7. 264p
- Decrée, S., Marignac, C., Abidi, R., **Jemmali, N.**, Deloule, E., & Souissi, F. (2016). Tectonomagmatic Context of Sedex Pb–Zn and Polymetallic Ore Deposits of the Nappe Zone Northern Tunisia, and Comparisons with MVT Deposits in the Region. In *Mineral Deposits of North Africa* (pp. 497-525). Springer International Publishing.
- Daldoul, G., Souissi, R., Souissi, F., **Jemmali, N.**, & Chakroun, H. K. (2015). Assessment and mobility of heavy metals in carbonated soils contaminated by old mine tailings in North Tunisia. *Journal of African Earth Sciences*, 110, 150-159.
- Mohsen Henchiri, Riadh Abidi, **Nejib Jemmali** (2015). Large euhedral quartz crystals in the Triassic dolomites and evaporites of central Tunisia: implications for silica diagenesis in sulphate-rich and high-Mg environments. *Arab Journal of Geosciences*, 8(10): 8899-8910
- **Nejib Jemmali**, Fouad Souissia, Emmanuel John M. Carranza, Torsten W. Vennemann, Kamen Bogdanov (2014). Geochemical constraints on the genesis of the Pb–Zn deposit of Jalta (northern Tunisia): Implications for timing of mineralization, sources of metals and relationship to the Neogene volcanism. *Chemie der Erde*. V 74, 601-613
- **Jemmali, N.**, Souissi, F., Carranza, E.J.M., Bouabdellah, M (2013). Lead and sulfur isotope constraints on the genesis of the polymetallic mineralization at Oued Maden, Jebel Hallouf and Fedj Hassene carbonate-hosted Pb-Zn (As-Cu-Hg-Sb) deposits, Northern Tunisia. *Journal of Geochemical Exploration*. V.1 :6-14
- Fouad Souissi, **Nejib Jemmali**, Radhia Souissi, Jean Louis Dandurand, (2013). REE and isotope (Sr, S, Pb) geochemistry to constrain the genesis and timing of the F-(Ba-Pb-Zn) ore of the Zaghouan District (NE Tunisia). *Ore Geology Reviews*. V.55:1-12
- **Nejib Jemmali**, Fouad Souissi, Emanuel John M. Carranza, Torsten Vennemann, (2013). Sulfur and lead isotopes of Guarn Halfaya and Bou Grine deposits (Domes zone, Northern Tunisia): implications for sources of metals and timing of mineralization. *Ore Geology Reviews*. V.54: 17-28.
- **Nejib Jemmali**, Fouad Souissi, Emanuel John M. Carranza, Torsten Vennemann (2013). Mineralogical and geochemical constraints on the genesis of the carbonate-hosted Jebel Ghozlane Pb-Zn deposit (Nappe zone, Northern Tunisia). *Resource Geology*, Vol. 63, No. 1: 27–41.
- **Jemmali N.**, Souissi F., Souissi R., Guedria A., Jrad A., Naouali H. (2011) : Caractérisation pétrographique, minéralogique et géochimique des affleurements triasiques et des minéralisations de Jebel Ressay et ses environs (Tunisie nord-orientale). *Notes du Service Géologique de Tunisie*, n°79 :69-88.
- **Nejib Jemmali**, Fouad Souissi, Igor Maria Villa, Torsten W. Vennemann (2011). Ore genesis of Pb–Zn deposits in the Nappe zone of Northern Tunisia: Constraints from Pb–S–C–O isotopic systems. *Ore Geology Reviews*. V.40, No.1: 41-53.
- **Nejib Jemmali**, Fouad Souissi, Torsten Vennemann, Emanuel John M. Carranza (2011). Genesis of the Jurassic carbonate-hosted Pb-Zn deposits of Jebel Ressay (North-Eastern Tunisia): evidence from mineralogy, petrography and trace metal contents and isotope (O, C, S, Pb) geochemistry. *Resource Geology*, special publication, Vol. 61, No. 4: 367–383.

- **Nejib Jemmali**, Fouad Souissi, Emanuel John M. Carranza, Jean-Jacques Orgeval, (2013). Sulfur and lead isotopes studies of sulfides minerals from the Jebel Mecella F-Ba (Zn-Pb) deposit, NE Tunisia: constraints on ore genesis. Central European Geology. 10th Applied Isotope Geochemistry (AIG10), 22-27 September, Budapest, Hungary. volume 56, numbers 2.3, 107-108. Oral.
- **Jemmali, N.**, Souissi, F., Carranza, E.J.M., Orgeval, J.-J., (2013). Metal sources and timing of Pb-Zn deposits associated to salt dome cap rocks in northwest Tunisia: evidence from isotope (Pb, S) geochemistry. Proceedings 12th Biennial SGA Meeting: Mineral Deposit Research for a High-tech World, 12-15 August 2013, Uppsala, Sweden, ISBN 978-91-7403-207-9, volume 2, 632-635. Oral
- **Nejib Jemmali**, Fouad Souissi, Emanuel John M. Carranza, Torsten Vennemann, (2012). Lead and sulfur isotopes of Guarn Halfaya and Bou Grine deposits associated to salt domes cap rocks (Diapirs zone, Northern Tunisia): sources of metals and genetic model. European Geosciences Union, General Assembly 2012, Vienna 22-27 April 2012. Oral.
- **Nejib Jemmali**, Fouad Souissi, Torsten W. Vennemann, Emmanuel John M. Carranza (2011). Sulfur and lead isotope geochemistry of the carbonate-hosted Pb-Zn deposit of Jebel Ghazlane (Nappes zone, Northern Tunisia). International Applied Geochemistry Symposium, 22-26 Aout, Rovaniemi, Lapland, Finland. Oral.
- F. Souissi, **N. Jemmali**, R. Souissi and J-L. Dandurand (2011). REE and isotope (Sr, S, Pb) geochemistries to constrain the genesis of the F-(Ba-Pb-Zn) ores of the Zaghouan District (NE Tunisia). Goldschmidt Conference Abstracts 2011, 14-19 Aout, Prague, République Tchèque. Poster.
- **Nejib Jemmali**, Fouad Souissi, Torsten Vennemann, Emmanuel John M. Carranza. (2010): Ore genesis in the "Province Fluorée" carbonate-hosted Pb-Zn-Ba-Sr deposits: Evidence from mineralogy, chemistry, and isotopic composition of sulphides and Triassic rocks at the Jebel Ressas Mine, North-Eastern Tunisia. XXème Journées Nationales de Biologie de la SSNT " Biologie et qualité de la vie" 04-07 November 2010, Hammamet. Oral.
- **Jemmali N**, Souissi F, Vennemann T, Spangenberg J, Villa I.M and Bogdanov K. (2010): The Pb-Zn Deposit of Jalta (Northern Tunisia): A Genetic Model Based on Mineralogy, Petrography, and Metallic Trace Elements and Isotope (S, C, O, Pb) Geochemistries. Goldschmidt Conference Abstracts 2010. Geochimica et Cosmochimica Acta. Volume 74, Issue 11 Supplement 1 (June 2010). Poster.
- Souissi F., **Jemmali N.**, Souissi R., Dandurand J.-L. (2008): The Pb-Zn-Sr- Ba deposits in Northern Tunisia: Trace elements, rare earths elements and Sr geochemical evidence for their origin. Abstract volume, 6th Swiss Geoscience Meeting. Lugano, 21st - 23rd November 2008. Poster.
- **Jemmali N.**, Souissi F., Souissi R., Guedria A., Mansouri A., Abdeljaoued S. (2007): Le Trias du Nord de la Tunisie (J. Ressas et Jalta mine): minéralogie, géochimie et rôle comme source potentielle des métaux concentrés dans les gîtes de la région. VIIème Journées Nationales de Biologie "Bio-Géo-Ressources et Environnement" 03-06 November 2007, Hammamet. Oral.
- **N. Jemmali**; F. Souissi et R. Souissi (2007): Etude minéralogique et géochimique des affleurements triasiques de Jalta mine (Extrême Nord Tunisien) et des environs de Jebel Ressas (Tunisie Nord Oriental). Séminaire de géochimie multiélémentaire " la géochimie multiélémentaire: outil de développement et support d'aide à la décision ". ONM, 17-18 January 2007, Tunis. Poster.