

Geochemistry, Mineralogy
Meteorites
Impact craters
Cathodoluminescence

Education

- 1986 : Master on Geology Hassan II University Ain Chock Casablanca Morocco
- 1988 : DEA Endogen Petrology UPMC Paris VI France
- 1992 : Doctorate on Noble Gases Geochemistry Pierre et Marie Curie University UPMC Paris VI France
- 2007 : « Doctorat d'Etat » on Meteorites Geochemistry Hassan II University Casablanca Morocco

Professional Experience

- 1996: integration to the Hassan II University of Casablanca as Assistant Professor, then associated Professor, then Professor
- 2007 to present: Professor at the Engineer School "Ecole Hassania des travaux publics"
- 2008 to 2012: Chair of the Bachelor « Natural and technological hazard management ».
- 2011 to 2005: Elected member of the « Meteoritical Society » council
- 2005 to 2010 then from 2015 to present: Member of the Nomenclature committee of the « Meteoritical Society ».
- 2008 to present: Associated Editor of the « Arabian Journal of Geosciences ».
- 2014: Chair of the 77th Meteoritical Society meeting Casablanca Morocco
- 2011: Chair of the Second Arab Impact Cratering and Astrogeology Conference AICACII, Casablanca Morocco
- 2006: Chair of the « Desert Meteorites Workshop », Casablanca Morocco

Honors and Awards

1. May 2007: Nomination for the « Khmisa » award, science and research, Morocco,
2. Novembre 2009: Prix "Paul Doistau-Emile Blutet" in Planetology, Academy of Sciences, Institut de France.
3. April 2013: US "International Visitors Leadership Program IVLP", "Women Innovations in Science and Engineering" WISE program in MENA region.
4. March 2016: Moroccan National TV SNRT Trophy on "Distinguished Women in Morocco" emission.
5. April, September 2016, April 2017: Africa Science Leadership Program Fellow (Pretoria, SA).
6. Name « Chennaoui » given to the asteroid 299020 on 4 September 2017.
7. April 2018: Meteoritical Society Fellow
8. September 2018: Al Akhawayn University festival of Astronomy; honorary invited
9. December 2018: Hassan II University of Casablanca; Excellency distinction
10. 2019-2020: European Association of Geochemistry and Geochemical Society Outreach program lecturer.

International responsibilities

2015: Member of the « Nominating Committee » of the « Meteoritical Society »
 2011-2015: Member of the council of the Meteoritical Society
 2005-2010/ 2015- Present: Member of the International Nomenclature Committee of meteorites, Meteoritical Society.
 Ex-Associated Editor of the Nomenclature bulletin, in charge of meteorites from Africa.
 2007-2010: Member of the Membership Committee of the Meteoritical Society in charge of members from Africa and Arabic Peninsula.
 Member of the Ethical Committee of the Meteoritical Society.
 Member of the Editorial Board of the Arabian Journal of Geosciences.

Associative Activities

President founder of ATTARIK Foundation for Meteoritics and Planetary Science.
 Secretary of the "Association for the Protection of Moroccan Geological Patrimony" APPGM
 President founder of the association « Riad of the knowledge and creativity on the University »
 Member of the Moroccan Association of Earth Sciences AMST.

Book: K. EL HARIRI et H. CHENNAOUI Aoudjehane (2018). Patrimoine Géologique du Maroc. Numéro spécial des Notes et Mémoires du Service Géologique du Maroc. Published by Ministère de l'Energie, des Mines et du Développement Durable of Morocco. 184 Pages.

Most recent Peer Reviewed Publications

- Benchelha S., Chennaoui Aoudjehane H., Hakdaoui M., El Hamdouni R., Mansouri H., Benchelha T., Layelmam M. and Alaoui M. (2019), Landslide Susceptibility Mapping in the Commune of Oudka, Taounate Province, North Morocco: A Comparative Analysis of Logistic Regression, Multivariate Adaptive Regression Spline, and Artificial Neural Network Models. Environmental and Engineering Geoscience. <https://doi.org/10.2113/EEG-2243>

- Aboulahris M., Chennaoui Aoudjehane H., Rochette P., Gattacceca G., Jull A. J. T., Laridhi Ouazaa N., Folco L. and Buhl S. (2019), Characteristics of the Sahara as a meteorite recovery surface. *Meteoritics & Planetary Science*. DOI: 10.1111/maps.13398
- Ray D., Ghosh S., Chennaoui Aoudjehane H. and Das S. (2019), Shock - thermal history of the Agoudal (IIAB) iron meteorite from microstructural studies. *Meteoritics & Planetary Science*. DOI: 10.1111/maps.13399
- El Kerni H., Chennaoui Aoudjehane H., et al., (2019). Geological and geophysical studies of the Agoudal impact structure (Central High Atlas, Morocco): New evidence for crater size and age. *Meteoritics & Planetary Science* DOI: 10.1111/maps.13347
- Avice G., Bekaert D. V., Chennaoui Aoudjehane H. and Marty B. (2018). Noble gases and nitrogen in Tissint reveal the composition of the Mars atmosphere. *Geochemical Perspectives Letters* v6 doi: 10.7185/geochemlet.1802 Published 9 February 2018
- Belhai D., Chennaoui Aoudjehane H., Baratoux D., Ferriere L., Lamali A., Sahoui R., Lambert Ph. and Ayadi A. (2017). The fourth Arab Impact Cratering and Astrogeology Conference (AICAC IV), 19th-12th April 2017, Algiers (Algeria). *Meteoritics & Planetary Science*. In Press. doi: 10.1111/maps.12906
- Basu Sarbadhikar A., Babu E. V. S. S. K., Vijaya Kumar T., Chennaoui Aoudjehane H. (2016). Martian meteorite Tissint records unique petrogenesis among the depleted shergottites. *Meteoritics & Planetary Science* (Volume 51, Issue 9 September 2016 Pages 1588–1610).
- Chennaoui Aoudjehane H., El Kerni H., Reimold W. U., Baratoux D., Koeberl C., Bouley S. and Aoudjehane M. (2016). The Agoudal (High Atlas Mountains, Morocco) shatter cone conundrum: a recent meteorite fall onto the remnant of an impact site. *Meteoritic and Planetary Science*. DOI:10.1111/maps.12661
- Chaabout S., Chennaoui Aoudjehane H., Reimold W. U., Baratoux D. And Youbi N. (2015). Prospecting for possible impact structures in Morocco. *Journal of African Earth Sciences*. 1-14.
- Larouci N., Chennaoui Aoudjehane H. And Jambon A. (2015). Methodology of studying meteorites from Morocco. *Bulletin de l'Institut Scientifique, Rabat, Section Sciences de la Terre*, 2014, n° 36, 15p.
- Magna T., Day J. M. D., Mezger K., Fehr M. A., Dohmen R., Chennaoui Aoudjehane H. And Agee C. B. (2015). Lithium isotope constraints on crust-mantle interactions and surface processes on Mars. *Geochimica et Cosmochimica Acta*, Volume 162, Pages 46–65.
- Schneider M., Chennaoui Aoudjehane H., Buchner E., And Tohver E. (2015). Meteorite traces on a shatter cone surface from the Agoudal impact site, Morocco. *Geological Magazine*. 152 :04 751-757
- Lorenz C. A., Ivanova M. A., Artemieva N. A., Sadilenko D. A., Chennaoui Aoudjehane H., Roschina I. A., Korochantsev A.V., And Humayun M. (2015). Formation of a small impact structure discovered within the Agoudal meteorite strewn field, Morocco. *Meteoritics & Planetary Science* 50, Nr 1, 112–134 (2015) doi: 10.1111/maps.12406
- Gattacceca J., Hewins R. H., Lorand J-P., Rochette P., Lagroix F., Cournede C., Uehara M., Pont S., Sautter V., Scorzelli R. B., Hombourger C., Munayco P., Zanda B., Chennaoui Aoudjehane H., Ferriere L. (2013), Opaque minerals, magnetic properties, and paleomagnetism of the Tissint Martian meteorite. *Meteoritics & Planetary Science*. August 2013 doi: 10.1111/maps.12172
- H. Chennaoui Aoudjehane, G. Avice, J.-A. Barrat, O. Boudouma, G. Chen, M. J .M. Duke, I. A. Franchi, J. Gattacceca, M. M Grady, R. C. Greenwood, C. D. K. Herd, R. Hewins, A. Jambon, B. Marty, P. Rochette, C. L Smith, V. Sautter, A. Verchovsky, P. Weber, B. Zanda (2012), Tissint Martian Meteorite: A Fresh Look at the Interior, Surface and Atmosphere of Mars, *Science*, 9 November 2012: Vol. 338 no. 6108 pp. 785-788. doi :10.1126/science.1224514.
- D. Baratoux, W. U. Reimold, H. Chennaoui Aoudjehane (2012). The second Arab Impact Cratering and Astrogeology Conference, Casablanca, 14-20 November 2011-A bridge between geoscientists and astronomers. *Meteoritic and Planetary Science MAPS* 47, Nr 6, 1098-1103.

OTHER PUBLICATIONS:

- H. Chennaoui-Aoudjehane et K. El Hariri (2018). Patrimoine géologique du Maroc : Enjeux et Perspectives. In *Patrimoine Géologique du Maroc. Numéro spécial des Notes et Mémoires du Service Géologique du Maroc*. Published by Ministère de l'Energie, des Mines et du Développement Durable of Morocco. 184 Pages.
- H. Chennaoui -Aoudjehane (2018). Les météorites du Maroc, état des lieux d'un patrimoine à préserver. In *Patrimoine Géologique du Maroc. Numéro spécial des Notes et Mémoires du Service Géologique du Maroc*. Published by Ministère de l'Energie, des Mines et du Développement Durable of Morocco. 184 Pages.
- D. Baratoux, H. Chennaoui Aoudjehane and 25 Co-authors (2017). Africa Initiative for Planetary and Space Sciences. *EOS Opinion* 14 June 2017. <https://eos.org/opinions/africa-initiative-for-planetary-and-space-sciences>
- D. Baratoux, H. Chennaoui Aoudjehane and 25 Co-authors (2017). The State of Planetary and Space Sciences in Africa. *EOS Feature* 13 June 2017. <https://eos.org/features/the-state-of-planetary-and-space-sciences-in-africa>
- D. Baratoux And H. Chennaoui Aoudjehane (2016). What a Moroccan crater reveals about a rare double whammy from the skies. *The conversation* 28 June 2016. <https://theconversation.com/what-a-moroccan-crater-reveals-about-a-rare-double-whammy-from-the-skies-61406>
- H. Chennaoui Aoudjehane et A. Jambon (2012). Tissint : la chute d'une météorite martienne au Maroc en 2011. *Les Météorites*. 1/ Des météorites différenciées aux planètes. *Les Cahier du Règne Minéral* N°1-2012. ISSN 1259-4415 - ISBN 978-2-917198-15-5
- H. Chennaoui Aoudjehane, M. Aoudjehane and A. Jambon (2012). Tissint, Morocco: The latest Martian meteorite fall of 2011. *Meteorite - August 2012- Volume 18, N°3 - ISSN1173-2245*
- H. Chennaoui Aoudjehane, (2008), Les météorites du Maroc : une richesse scientifique et un patrimoine à préserver. *Bulletin d'information de l'Académie Hassan II des Sciences et Techniques*, n°3 Juin 2008, 63-74.
- H. Chennaoui Aoudjehane, (2007), Etude par Cathodoluminescence des phases de silice : témoins de l'intensité du choc dans les météorites. *Thèse de Doctorat d'Etat Es-Sciences en Sciences de la Terre et de l'Univers, Géochimie, Planétologie*, Mai 2007, 231 pages.