

Curriculum Vitae

Personal details:

Name: Aref Abdul Jalil Maamon Alshameri

Gender: Male

Language(s): Arabic, English and Chinese

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Academic qualification:

- From Aug. 2015 to Sept. 2018: Postdoctoral Researcher in Environmental minerals and their applications at the Guangzhou Institute of Geochemistry, Chinese Academy of Sciences ,China.
- From Sept. 2012 to Jul. 2015: Doctor of Philosophy degree in Rock and Mineral Materials at China University of Geosciences, Wuhan, China.
- From Sept.2007 to Jul. 2010: M.Sc. in Rock and Mineral Materials at China University of Geosciences, Wuhan, China.
- From Sep. 1994 to Jul. 1998: B.Sc. in the Faculty of Applied Science, Sciences department of Geology, Taiz University Yemen.

Work Experiences:

- 2023.5 till now Assistant professor at Faculty of petroleum and Natural Resources, Sana'a University, Yemen.
- 2018.10 -2021.9 Distinguished Researcher and Lecturer at Foshan University of Science and Technology, Foshan, Guangdong 528000, China.
- 2015.8-2018.9 A postdoctoral researcher's work at key laboratory of mineralogy and metallogeny, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, China.
- 2003.9-2006.8 at Center Laboratory of Geological Survey and Mineral Resources Authority, Ministry of Oil and Minerals, Sana'a, Yemen.

Experience in analytical Methods and techniques:

UV-vis spectrophotometer, ICP-MS analysis , X-ray diffraction analysis (XRD), X-ray Fluorescence (XRF), Scanning Electron Microscopy (SEM) with EDX Analysis, The X-ray photoelectron spectroscopy (XPS) analyses, Fourier-Transform Infrared spectroscopy (FTIR), Brunauer-Emmett-Teller (BET), Zeta potential, Transmission electron microscopy (TEM), Cation Exchange Capacity (CEC), etc.

Projects:

- Alshameri was received Natural Sciences Foundation of Guangdong province of his project, Title: Research on the degradation mechanism of diclofenac by natural Pyrrhotite Mineral.
- Participated in several research projects at Guangzhou Institute of Geochemistry, Chinese Academy of Sciences and China Univ. Geosc. China.

Awards:

- Winners in the International Research Awards 2020 by RULA Awards as the Innovative Researcher in rocks and minerals materials.
- Talent's Green card of Guangzhou Municipality, China, January 2018.
- Professional technical qualification certificates (Foreign Expert Certificate, and Foreign high-end talents (category A)).
- September 2011, he got the Chinese Government Scholarship (PhD) by the China Scholarship Council.
- September 2006, he got the Chinese Government Scholarship (Master) by the China Scholarship Council.

Conferences participates and Members:

- Participated in the 3rd Asian Clay Conference as oral speaker, held in Guangzhou City, China, Nov. 17 – 20, 2016.

- Participated in the 4th International Young Scholar Conference of Sun Yat-sen University as oral speaker, held in Zhuhai. China, Jun.8– 10, 2018.
- Membership to SPE (Society of Petroleum Engineers) China Univ. Geosc.
- Member of the Arab Council for Academic and Competencies.
- Member of the Association of Yemeni Academics and Professionals ATAP.

Academic service:

- Alshameri is a reviewer in different international academic journals.
- He exerted in establishing scientific and academic activities carried out by the Yemeni Students Union (YSU) in China during the epidemic year 2019-2020.
- Head of Education and Alumni Office, International Students Union at China University of Geosciences in the year 2014 to 2015.
- He conducted a workshop for international students at China Univ. Geosc on how to publish articles in SCI journals in the year 2014 to 2015. Also, he is an active participant in Chinese cultural exchange programs usually conducted at the international foreign student's office in China Univ. Geosc.

Academic Publications:

✧ **Articles:**

1. **Aref Alshameri***, Hongping He*, ChenXin, Jianxi Zhu, WeiXinghu, Runliang Zhu, HailongWang (2019) Understanding the role of natural clay minerals as effective adsorbents and alternative source of rare earth elements: Adsorption operative parameters, Hydrometallurgy, Vol. 185, pp. 149-161. (SCI). <https://doi.org/10.1016/j.hydromet.2019.02.016>
2. **Aref Alshameri***, Wei Xinghu¹, Ammar Salman Dawood^{4,5}, Chen Xin, ChunjieYan, Amer M. Assabri (2019), Characterization of Yemeni Natural Zeolite (Al-Ahyuq Area) and its Environment Applications: A Review, Journal of Ecological Engineering, Vol. 20, pp. 157-166. (ESCI). DOI: <https://doi.org/10.12911/22998993/102842>

3. **Aref Alshameri**, Hongping He, Jianxi Zhu, Yunfei Xi, Runliang Zhu, Lingya Ma, Qi Tao (2018) Adsorption of ammonium by different natural clay minerals: Characterization, kinetics and adsorption isotherms, Applied Clay Science, Vol. 159, pp. 83-93. (SCI). <https://doi.org/10.1016/j.clay.2017.11.007>
4. **Aref Alshameri**, Hongping He, Ammar Salman Dawood, Jianxi Zhu (2017) Simultaneous Removal of NH_4^+ and PO_4^{3-} from Simulated Reclaimed Waters by Modified Natural Zeolite: Preparation, Characterization and Thermodynamic, Environment Protection Engineering, Vol. 43 ,pp. 73-92. (SCI) [DOI: 10.5277/epe170407](https://doi.org/10.5277/epe170407). (SCI). [DOI 10.5277/epe170407](https://doi.org/10.5277/epe170407)
5. **Aref Alshameri**, Chunjie Yan, Xinrong Lei(2014) Enhancement of phosphate removal from water by TiO_2 /Yemeni natural zeolite: Preparation, characterization and thermodynamic, Microporous and Mesoporous Materials, Vol. 196, pp. 145-157. (SCI). [DOI: 10.1016/j.micromeso.2014.05.008](https://doi.org/10.1016/j.micromeso.2014.05.008)
6. **Aref Alshameri**, Abdullateef Ibrahim, Amer M. Assabri, Xinrong Lei, Hongquan Wang, Chunjie Yan (2014). The investigation into the ammonium removal performance of Yemeni natural zeolite: Modification, ion exchange mechanism, and thermodynamics, Powder Technology, Vol.258, pp. 20-31. (SCI). [DOI:10.17159/wsa/2019.v45.i4.7546](https://doi.org/10.17159/wsa/2019.v45.i4.7546)
7. **Aref Alshameri**, Chunjie Yan, Yasir Al-Ani, Ammar Salman Dawood, Abdullateef Ibrahim, Chunyu Zhou, Hongquan Wang (2014), An investigation into the adsorption removal of ammonium by salt activated Chinese (Hulaodu) natural zeolite: Kinetics, isotherms, and thermodynamics, Journal of the Taiwan Institute of Chemical Engineers, Vol.45, pp. 554-564. (SCI). [DOI: 10.1016/j.jtice.2013.05.008](https://doi.org/10.1016/j.jtice.2013.05.008)
8. **Aref Alshameri**, Alkhafaji R.Abood, Chunjie Yan, Akhtar Malik Muhammad (2013) Characteristics, modification and environmental application of Yemen's natural bentonite, Arabian Journal of Geosciences, Vol. 7, pp. 841-853. (SCI). [DOI:10.1007/s12517-013-0855-z](https://doi.org/10.1007/s12517-013-0855-z)
9. **Aref A. Alshameri** and Lei Xin Rong (2009).Characterization and Evaluation of Algaof Kaolin Deposits of Yemen for Industrial Application. American Journal of Engineering and Applied Sciences 2(2):292-296. ISSN: 1941-7020. (EI). [DOI: https://doi.org/10.3844/ajeassp.2009.292.296](https://doi.org/10.3844/ajeassp.2009.292.296)

10. Mingxuan Li , Jiefeng Dong , Yan Zhang *, Hong Yang , Lukas Van Zwieten , Hui Lu, **Aref Alshameri** , Zihan Zhan , Xin Chen , Xueding Jiang , Weicheng Xu , Yanping Bao and Hailong Wang (2021) : A Critical Review of Methods for Analyzing Freshwater Eutrophication. **Water**, 13, 225. (SCI) <https://doi.org/10.3390/w13020225>.
11. Xiumei,Q;Yadong, L; **Aref, Alshameri**; Xiaoyan, Z ; Chunjie, Yan (2017), Viscosity of Kaolin Slurries: Effects of Dispersant and Urea-Intercalation, Journal Of Wuhan University Of Technology-Materials Science Edition, Vol.: 32 ,pp: 51-57(SCI). <https://doi.org/10.1007/s11595-017-1557-2>
12. Liu, Yi ; Yan, Chunjie ; Qiu, Xiumei ; Li, Dan ; Wang, Hongquan ; **Aref Alshameri** (2016) , Preparation of Faujasite Block from Fly Ash-based Geopolymer via In-situ Hydrothermal Method. Journal of the Taiwan Institute of Chemical Engineers, Vol.: 59 ,pp: 433-439 (SCI). <https://doi.org/10.1016/j.jtice.2015.07.012>
13. Yunan Ma, Chunjie Yan, **Aref Alshameri**, Xiumei Qiu, Chunyu Zhou, Dan li(2014). Synthesis and characterization of 13X zeolite from low-grade natural kaolin, Advanced Powder Technology, Vol. 25, pp. 495-499. (SCI). <https://doi.org/10.1016/j.appt.2013.08.002>
14. Yuting Chen, Chunyu Zhou, **Aref Alshameri**, Sen Zhou, Yunan Ma, Tao Sun, Huan Liang, Yansheng Gong, Hongquan Wang, Chunjie Yan(2014). Effect of rice hulls additions and calcination conditions on the whiteness of kaolin.Ceramics International, Vol. 40, pp. 11751-11758. (SCI). <https://doi.org/10.1016/j.ceramint.2014.04.003>
15. Xiumei Qiu, Xinrong Lei, **Aref Alshameri**, Hongquan Wang, Chunjie Yan,(2014) Comparison of the physicochemical properties and mineralogy of Chinese (Beihai) and Brazilian kaolin, ceramics International, Vol. 40, pp. 5397-5405. (SCI). <https://doi.org/10.1016/j.ceramint.2013.10.121>
16. Chunyu Zhou, **Aref Alshameri**, Chunjie Yan, Xiumei Qiu, Hongquan Wang, Yunan Ma (2012) Characteristics and evaluation of synthetic 13X zeolite from Yunnan's natural halloysite. Journal of Porous Materials, Vol. 20, pp. 587-594. (SCI). [DOI: 10.1007/s10934-012-9631-9](https://doi.org/10.1007/s10934-012-9631-9)
17. Chunyu Zhou, Tao Sun, Qiang Gao, **Aref Alshameri**, Peng Zhu, Hongquan Wang, Xiumei Qiu, Yunan Ma, Chunjie Yan(2014) Synthesis and characterization of ordered mesoporous

aluminosilicate molecular sieve from natural halloysite, Journal of the Taiwan Institute of Chemical Engineers, Vol.45, pp. 1073-1079. (SCI). <https://doi.org/10.1016/j.jtice.2013.09.030>

18. Dan Li, Ying Chen, Hongquan Wang, Xiumei Qiu, **Aref Alshameri**, Yunan Ma, Yi Liu, Chunjie Yan(2014),An investigation into formation mechanism of amorphous hierarchical porous carbons by diatomite as template: Effect of furfuryl alcohol and glucose. Journal of the Taiwan Institute of Chemical Engineers, Vol. 45, pp. 2742-2748. (SCI). [DOI10.1016/j.jtice.2014.05.010](https://doi.org/10.1016/j.jtice.2014.05.010)
19. Sen Zhou, Xujian Li, Yongjuan Shi, **Aref Alshameri**, Chunjie Yan(2014), Preparation, characterization, and Ce(III) adsorption performance of poly (allylamine)/silica composite. Desalination and Water Treatment, (SCI).[DOI:10.1080/19443994.2014.944221](https://doi.org/10.1080/19443994.2014.944221).
20. Feng Zhou, Chunjie Yan, Hongquan Wang, Qi Sun, Qunying Wang, **Aref Alshameri** (2015). Flotation behavior of four C18hydroxamic acids as collectors of rhodochrosite. Minerals Engineering, Vol.78, pp. 15-20. (SCI). <https://doi.org/10.1016/j.mineng.2015.04.006>
21. 杨富国, 陈晓娟, 北原晶子, Aref Alshameri, 杜小青, 包艳萍, 黄德斌 (2020), 中频磁控溅射镀膜技术的进展,Materials protection, Vol. 59, pp.64-65. [DOI: 10.16577/j.cnki.42-1215/tb.2020.s1.015](https://doi.org/10.16577/j.cnki.42-1215/tb.2020.s1.015)
22. 杨富国, 谢悦, 陈晓娟, 北原晶子, Aref Alshameri, 杜小青, 包艳萍,(2020), 铝电解电容器用阳极箔技术现状及发展趋势, Materials protection, Vol. 53, pp.58-59. [DOI:10.16577/j.cnki.42-1215/tb.2020.s1.013](https://doi.org/10.16577/j.cnki.42-1215/tb.2020.s1.013)

✧ **Books:**

A chapter in a book “Mineral book”

Aref Alshameri*, Xinghu Wei, et.al (2019), A Review of the Role of Natural Clay Minerals as Effective Adsorbents and an Alternative Source of Minerals, Minerals book, Intech Open,. [DOI: 10.5772/intechopen.87260](https://doi.org/10.5772/intechopen.87260)