

Review Form 1.7

Journal Name:	Asian Journal of Geological Research
Manuscript Number:	Ms_AJGER_119595
Title of the Manuscript:	Integrated interpretation of aeromagnetic and aero-radiometric data to delineate structures and hydrothermal alteration zones associated with Gold Mineralization in parts of North-Central Nigeria
Type of the Article	Original Research Article

Review Form 1.7

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>EI-Sadek, M. A. (2009): Radiospectrometric and magnetic signatures of a gold mine in Egypt. Journal of Applied Geophysics 67 (2009) 34–43. EI-Sadek, M. A. (2022): Using of airborne gamma-ray spectrometric data to the exposure of potassic alteration -recognition of alteration relates to gold mineralization. Applied Radiation and Isotopes 190 (2022) 110511. Gobashy, M. M., EI-Sadek, M. A., Mekkawi, M. M., Araffa, S. A., Ezz Eldin, M.M. and Khalil, M. H. (2024): Radiometric characteristics of some metallic ores and nonmetallic deposits: an example, Wadi Al-Allaqi, South Eastern Desert, Egypt. Scientific Reports (2024) 14:2443 https://doi.org/10.1038/s41598-024-52912-9.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>yes</p>	
<p>Optional/General comments</p>	<ul style="list-style-type: none"> - Delete “that the result indicates”, IN “Abstract” , 1st page. - Change “Pink colouris” to “Pink colour is”, under “<i>Aeroradiometric data interpretation</i>” section, 2nd paragraph. - Page2: 2nd paragraph, add this reference: <u>EI - Sadek, M. A. (2002):</u> Application of thorium-normalized airborne radio-spectrometric survey data of Wadi Araba area, North- eastern Desert, Egypt, as a guide to the recognition of probable subsurface petroleum accumulations. Applied Radiation and Isotopes, U.S.A., Vol. 57, pp. 121 – 130. - Page 2, last paragraph, add this reference: <u>EI- Sadek, M. A., Ammar, A. A. and Sabry, A. M. (2002):</u> Aeroradiospectro- metry in the lithological mapping and environmental monitoring of Wadi Araba area. The Arabian Journal for Science and Engineering, Vol. 27 No. 2A, pp. 131 –148. - Page 3: 1st paragraph, add this reference: <u>EI-Sadek, M. A. (2009):</u> Radiospectrometric and magnetic signatures of a gold mine in Egypt. Journal of Applied Geophysics. Netherlands, Elsevier B. V., Vol. 67, pp. 34 -43. - - - Change “Theblue colour” to “The blue colour”, under “<i>Aeroradiometric data interpretation</i>” section, 2nd paragraph. 	

Review Form 1.7

	<ul style="list-style-type: none">- Page 16: "concentration values (6.345-7.495ppm)whereas e clay" , what is this meaning?- Page 19: you can add this reference: El-Sadek, M. A. (2022): Using of airborne gamma-ray spectrometric data to the exposure of potassic alteration -recognition of alteration relates to gold mineralization. Applied Radiation and Isotopes, 190, 110511.- Are you sure of the values of potassium?- Or those values are multiplied by ten?	
--	--	--

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Mohamed Ahmed El-Sadek
Department, University & Country	Egypt