

ACADEMIC / RESEARCH ACTIVITIES OF B. ZOLIANA:

1. Research Papers published in the Journals:

Sl. No	Title with page nos.	Name of the Journal	ISSN/IS BN No	Whether peer reviewed? Impact Factor, if any	Whether you are the main author
1	<i>Application of Mathieu potential to photoemission from metals,</i>	<i>Phys.Lett.A, 275,</i> (2000). 459-462	ISSN: 0375- 9601	peer reviewed, Impact Factor : 1.86	joint-author
2	<i>A simple study of photoemission from metals,</i>	<i>Indian J. Phys.,</i> 76A,[2], (Mar2002). 201-209	ISSN: 09 73- 1458 (pri nt version) ISSN: 09 74- 9845 (ele ctronic version)	peer reviewed, Impact factor : 0.988	First author
3.	<i>Application of Mathieu potential to photoemission calculations: the case of a strong potential,</i>	<i>Phys. Letts. A 294,</i> (2002). 52-57	ISSN: 0375- 9601	peer reviewed, Impact Factor : 1.86	joint-author
4	<i>A model photoemission calculations using the Projection Operator Method, 2897-2902</i>	<i>Int. J. Mod. Phys.,</i> B17 [17], (July 2003).	ISSN (print): 0217- 9792 ISSN (online): 1793-6578	peer reviewed Impact Factor :0.769	Main author
5	<i>Photoemission Studies of metals by using the Mathieu potential,</i> 393-396	<i>Indian J. Phys., A77,</i> [4], (July 2003).	ISSN: 09 73- 1458 (pri nt version) ISSN: 09 74- 9845 (ele ctronic version)	peer reviewed, Impact factor : 0.988	Main author
6	<i>Photoemission as a</i>	<i>Sci. Vis. 3(4),</i> (2003)	ISSN	Reviewed	Main author

	<i>tool for probing electronic configuration of crystal surface,</i>	18-24,	(print) 0975-6175; ISSN (online) 2229-6026.	Impact Value (ICV) 4.5	
7	<i>Photoemission calculation by using Mathieu potential for surface of solids,</i> 24-28,	<i>Sci. Vis.</i> 4(4) , (2004)	-do-	Reviewed Impact Value (ICV) 4.5	Main author
8	<i>Cobalt Therapy,</i> 5-6	<i>Sci.Vis.</i> 1(1) ,(2001)	-do-	Reviewed Impact Value (ICV) 4.5	Main author
9	<i>Radiation Hlahawmna leh a inven theih dante,</i> 11-12.	<i>Sci. Vis.</i> 1(3) (2001).	-do-	-do-	Main author
10	<i>Electromagnetic pollution-in Hriselna a Khawih Pawi Theih Dan.</i> 36-38	<i>Sci. Vis.</i> 5 (1) , (2005).	-do-	-do-	Main author
11	<i>Microwave leh Hriselna (Microwave and Health),</i> 105-107	<i>Sci. Vis.</i> 6(4) , (2006)	-do-	-do-	Main author
12	Application of Mathieu Potential to calculation of photocurrent from the surface of metals, 183-187,	<i>Sci. Vis.</i> 9(4) , (2009)	ISSN (print) 0975-6175; ISSN (online) 2229-6026.	-do-	Main author
13	<i>Application of projection operator method to define basis functions for use in photoemission calculations,</i>	<i>Indian J. Phys.</i> 82(6),729-734 (2008).	ISSN: 0973-1458 (print version) ISSN: 0974-	Peer reviewed Impact factor: 0.988	Main author

			9845 (electronic version)		
14	<i>Radon and the risk of lung cancer in Aizawl District, Mizoram, India, 66-72</i>	<i>Sci. Vis.</i> 10(2) , (2010)	ISSN (print) 0975-6175; ISSN (online) 2229-6026.	Reviewed Impact Value (ICV) 4.5	Main author
15	<i>Measurement of indoor concentrations of radon and thoron in Mizoram, India, 18-152.</i>	<i>Sci. Vis.</i> 10(4) , (2010)	-do-	Reviewed Impact Value (ICV) 4.5	Corr- author
16	<i>Calculation of photofield emission current in tungsten by using transfer Hamiltonian method, 133-136</i>	<i>Sci. Vis.</i> 10(4) , (2010)	-do-	-do-	Co-author
17	Measurements of the equilibrium factor of radon in Aizawl, Mizoram, India 102-105	<i>Sci. Vis.</i> 11(2) , (2011).	-do-	-do-	Corr- author
18	Measurement of radon concentration in dwellings from the affected landslide area of Mamit town, Mizoram, India	<i>Sci. Vis.</i> 12(3) , (2012).	-do-	-do-	corresponding author
19	Measurement of Inhalation dose for radon in Dwellings using Direct Progeny Sensors in Southern Part of Mizoram, India	Journal of Applied Physics Vol. 5. No.2. (july-Dec 2014) p.p. 85-87	ISSN: 00 21-8979 (print); 1089-7550 (web)	Reviewed Impact Factor 2.176	corresponding author
20	Indoor Radon Concentration and Radon Flux measurement in North East India	Journal of Applied Physics Vol. 5. No.2. (july-Dec 2014) p.p. 40-42	ISSN: 00 21-8979 (print); 1089-7550	Reviewed Impact Factor 2.176	First and corresponding author

			(web)		
21	Observation of radon concentration and measurement of natural gamma radiation inside the tourist-visited-caves in Mizoram, India	Sci. Vis. 15 (supplementary) (2015). p s19-s22.	ISSN (print) 0975-6175 ISSN (online) 2229-6026	Reviewed Impact Value (ICV) 4.5	First and corresponding author
22	Measurement of indoor radon concentrations in correlation to geographical location and construction type of buildings in middle part of Mizoram, India.	Sci. Vis. 15 (supplementary) (2015). p s58-s63	-do	-do-	Corresponding author
23	Measurement of radon concentration in dwellings in the region of highest lung cancer incidence in india	Radiation Protection Dosimetry P 1-4. doi:10.1093/rpd/ncw056,(2016)	ISSN: 0144-8420 Impact Factor 0.861	Reviewed	First and corresponding author
24	Annual inhalation dose of indoor radon in dwellings in Aizawl City, Mizoram, India	Sci. Vis. 16(3) , (2016). P 16-21	ISSN (print) 0975-6175 ISSN (online) 2229-6026	Reviewed Impact Value (ICV) 4.5	Corresponding author
25	Study of Photofield Emission from Band States Deduced by using Kronig-Penney Potential and Spatially Varying Photon field; an approach to the Transfer Hamiltonian Method	Basic and Applied Physics P-115-123 (2016)	ISBN: 978-81-8487-517-1,	Reviewed	joint-author
26	Comparison of single and double entry twin cup dosimeter in measuring indoor radon and thoron concentration in Mizoram, India.	Sci Vis 18 (1) , p 51—55. (2018).p 2229-6026.	ISSN (print) 0975-6175; ISSN (online)	Reviewed Impact Value (ICV) 4.5	Corresponding author

27	Determination of Radon Mass Exhalation Rate in the Region of Highest Lung Cancer Incidence in India	Radiat Environ Med 2019 Vol.8, No.2 113–117		Peer Reviewed	Corresponding author
28	Study of Indoor Radon/ Thoron Concentration with Respect to Construction Types of Dwellings in Mizoram, India	Science and Technology Journal, Vol. 7 Issue: I	ISSN: 2321– 3388	Peer reviewed	Corresponding author