




PROFILE

Name	Dr. INIGO VALAN ISAIARASU		
Department	PHYSICS		
Designation	ASSISTANT PROFESSOR		
E-mail	inigovalanarasu@gmail.com		
College e-mail	inigovalan@aactni.edu.in		
Teaching Experience	UG:	PG:	

Recognised Educational Qualifications

S. No.	QUALIFICATION	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
1	Ph.D.,	Department of Nuclear Physics, University of Madras	University of Madras	2018
2	M.Sc.,	School of Physics, Bharathidasan University	Bharathidasan University	2011
3	B.Sc.,	Department of Physics, St. Xavier's College	Manonmaniam Sundaranar University	2009

Work Experience

S. No.	Name of the Institution/Organisation	Designation	Nature of Work	Period
1	Department of Physics, Arul Anandar College, Madurai	Assistant Professor	Teaching	2020 – till date
2	Indira Gandhi Centre for Atomic Research, Kalpakkam	Research Associate	Research	2018-2020
2	Department of Nuclear Physics, University of Madras, Chennai	Project Assistant	Research	2012-2018

Publications (Contributions in Journals/Edited Books/Proceedings)

Scopus indexed publications = 7

	Title of the Paper	Name of the Journal/Book/Proceedings	Whether Journal/Book /Proceedings	Volume and No	Page Nos	ISSN/ISBN No	Publisher and Place
Scopus Indexed	Investigation of background radiation level in Krusadai Island Mangrove, Gulf of Mannar, India I. Inigo Valan , R Mathiyarasu, SGD Sridhar, V Narayanan, A Stephen	Journal of Radioanalytical and Nuclear Chemistry (2015)	Journal	304 (2)	735-744	Print ISSN 0236-5731 Online ISSN 1588-2780	Springer – Nature
	Seasonal observation on radionuclide concentration in Krusadai Island Mangroves, Gulf of Mannar, India I. Inigo Valan , S Maniyarasan, R Mathiyarasu, SGD Sridhar, V Narayanan, A Stephen	Journal of Radioanalytical and Nuclear Chemistry (2016)	Journal	310 (3),	1277-1288	Print ISSN 0236-5731 Online ISSN 1588-2780	Springer – Nature
	Influence of geochemical variation and heavy mineral component on primordial radionuclide presence in Tamiraparani River sediments I. Inigo Valan , I Vijayalakshmi, R Mathiyarasu, SGD Sridhar, V Narayanan, A Stephen	Environmental Earth Sciences (2017)	Journal	76 (2)	69	Print ISSN 1866-6280 Online ISSN 1866-6299	Springer – Nature
	Investigation of natural background radiation of sediments in Rameswaram Island, Tamil Nadu, India I. Inigo Valan , I Vijayalakshmi, R Mathiyarasu, SGD Sridhar, V Narayanan, A Stephen	Arabian Journal of Geosciences (2018)	Journal	11 (23),	762	Print ISSN 1866-7511 Online ISSN 1866-7538	Springer – Nature
	Mineralogical influence over the presence of primordial radionuclide along the industrial corridor of northern coastal region of Chennai I. Inigo Valan , R. Mathiyarasu, C. Lakshmi Narasimhan, S. G. D. Sridhar, V. Narayanan & A. Stephen	Journal of Radioanalytical and Nuclear Chemistry (2020)	Journal	323	117–133	Print ISSN 0236-5731 Online ISSN 1588-2780	Springer – Nature
	Mineralogical study along the northern coast of Chennai I. Inigo Valan , R Sasikala, V Narayanan, A Stephen	Journal of the Indian Chemical Society (2019)	Journal	96 (1),	56-58	Print ISSN 00194522	Indian Chemical Society

Preparation and characterization of lead doped zinc oxide thin films I. Inigo Valan , V Gokulakrishnan, A Stephen, K Ramamurthi	AIP Conference Proceedings (2012)	Journal	1512 (1),	662-663	Print ISSN 0094-243X Online ISSN 1551-7616	American Institute of Physics
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Other conference proceeding and publications = 6

	Title of the Paper	Name of the Journal /Proceedings	Whether Journal Proceedings	Volume and No	ISBN/ ISSN/ INIS* No.	Publisher and Place
International Nuclear Information System (INIS) indexed & Conference Proceedings	Natural radioactivity assessment along Northern Coastal region of Chennai (2019) I Inigo Valan , I Vijayalakshmi, A. Stephen Conference: Fourteenth biennial DAE-BRNS symposium on nuclear and radiochemistry	INIS*	Conference proceedings	50, 29	INIS* Ref. No: 50046003 INIS Rec. No.: 50045710	INIS*
	Seasonal changes on radionuclide concentration in Krusadai Island Mangrove I Inigo Valan , A Stephen, I Vijayalakshmi, R Mathiyarasu, MT Jose (2016) Conference: International conference on radiological safety in workplace, nuclear facilities and environment	INIS	Conference proceedings	47 35	INIS* Ref. No: 47088429 INIS Rec. No.: 47088332	INIS
	Pre-monsoon study on primordial radionuclide concentration along Krusadai Island mangrove at Gulf of Mannar (2015) I Inigo Valan , A Stephen, KS Lakshmi, V Meenakshisundaram, J Punniyakotti Conference: BRNS-AEACI first symposium on current trends in analytical chemistry	INIS	Conference proceedings	47, 01	INIS* Ref. No: 47001059 INIS Rec. No.: 47001046	INIS
	Natural radioactivity study in the coastal villages of northern Chennai (2014) I Inigo Valan , V Narayanan, A Stephen Journal: Inter. Jou. of Innovative Research in Sci & Engg Volume 2 ; Pages 183-188 Conference: International Conference of Advances in New Materials (ICAN)	IJRSE	Conference proceedings	2, pg. 183 -188	ISSN (Online) 2347-3207	
	Studies on radionuclide concentration along the Northern Coast of	INIS	Conference	46, 23	INIS* Ref. No:	INIS

	Krusadai Island I Inigo Valan , R Mathiyarasu, S.M.S. Murthy, I. Vijayalakshmi, A. Stephen, (2014) Conference: Thirty first IARP national conference on advances in radiation measurement systems and techniques		proceedings		46053422 INIS Rec. No.: 46053360	
	Influence of Lead Substitution in Zinc Oxide Thin Films I Inigo Valan , S Raja, K Ramamurthi, V Narayanan, A Stephen (2013) Journal: Chem. Sci. Trans. 2 (S1), S276-S280 Conference: National Conference on Chemistry Solutions	Chemical Sciences Transaction	Conference proceedings	2 (S1), S276 – S280	ISSN/E-ISSN: 2278-3458/2278- 3318	
	Structural and electrical properties of poly (o-anisidine)/graphene nanocomposite D Sangamithirai, I Inigo Valan , V Narayanan, A Stephen (2014) Journal: International Journal of Innovative Research in Science & Engineering Volume 2; Pages 2339-2342. Conference: International Conference of Advances in New Materials (ICAN)	IJRSE	Conference proceedings	2 pg, 2339- 2342	ISSN (Online) 2347-3207	International

*INIS: INTERNATIONAL NUCLEAR INFORMATION SYSTEM

Papers presented in Conferences

Title of the Paper	Title of the conference	Level of Conference	Organizing Institution	Year
Natural radioactivity assessment along Northern Coastal region of Chennai	14 th Biennial DAE-BRNS Symposium on Nuclear and Radiochemistry	International	Bhabha Atomic Research Centre	2019
Seasonal changes on radionuclide concentration in Krusadai Island Mangrove	IARP International Conference Radiological safety in work place, nuclear facilities and environment	International	Bhabha Atomic Research Centre	2016
Post-monsoon study on natural radioactivity along Krusadai Island	BRNS-AEACI symposium on Current Trends in Analytical Chemistry	National	Bhabha Atomic Research Centre	2015
Mineral identification using X-ray diffraction spectroscopy for sand sediments collected along north coast of Chennai	3 rd national conference on hierarchically structured materials	National	SRM Institute of Science and Technology	2015
Seasonal study on Primordial radionuclide concentration – review	International conference on Mangrove and Climate Change	International	University of Madras	2015
Natural radioactivity study in the coastal villages of northern Chennai	International Conference of Advances in New Materials (ICAN)	International	University of Madras	2014
Studies on radionuclide concentration along the Northern Coast of Krusadai Island	31 st IARP National Conference 2014 – Advances in radiation measurement systems and techniques	National	Bhabha Atomic Research Centre	2014
Influence of Lead Substitution in Zinc Oxide Thin Films	National Conference on Chemistry Solutions	National	SRM Institute of Science and Technology	2013
Preparation and characterization of Lead doped Zinc oxide thinfilms	57 th DAE-Solid State Physics Symposium	National	Indian Institute of Technology Bombay,	2012
Structural and optical properties of Lead substituted Zinc oxide thinfilm	International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering	International	Indian Institute of Technology Madras	2012

Participated in School / Workshop / Seminar = 9

Title of the School/ Workshop / Seminar	Nature	Organizing Institution	Year
8 th BRNS-AEACI School on Analytical Chemistry	School	National Metallurgical Laboratory - Jhamshepur	2014
Seminar on Discovery of Higgs Boson	Seminar	Department of Nuclear Physics, University of Madras	2014
3 rd National Workshop on Chromatographic Technique	Workshop	Department of Analytical Chemistry, University of Madras	2014
National Workshop on GPS RO Technique and Applications	Workshop	Department of Physics and Nanotechnology, SRM Univeristy	2015
Workshop on Natural radioactivity and radiation sources	Workshop	Indira Gandhi Centre for Atomic Research - Kalpakkam	2016
Workshop on placer mineral resources and sedimentary environments	Workshop	Department of Geology, University of Madras	2016
Technical workshop on Cytogenetic assay, Animal handling & ethics	Workshop	Centre for Environmental Nuclear Research, SRM - IST	2018
Global Initiative for Academic Network (GIAN) – Advanced direct reading radon, thoron and progeny sensors	Workshop	Centre for Advanced Research in Environmental Radioactivity, Mangalore University	2019
National Workshop on Environmental Radioactivity Measurements	Workshop	Environmental Safety Division, Indira Gandhi Centre for Atomic Research	2019

Resource Person

Whether Speaker/Moderator/Panelists	Title of the Presentation	Title of the Seminar/Conference/Workshop	Organizing institution and Place	Date
Speaker	Natural Radioactivity	Summer Training Programme in Physics	Department of Nuclear Physics, University of Madras	18, June, 2019

Achievements & Awards

- Participated in Young Student Scientists Program sponsored by Tamil Nadu State council for Science and Technology and Ministry of Human Resource Development, Government of INDIA at The American College, Madurai.

Other Details

- Participated in State Level Talent Search Exam in 2004 and was categorized under very-good level and ranked 927.
- Won Second place in University level Quiz competition organized and conducted by Manonmanium Sundaranar University-Tirunelveli.
- Won First prize in cavalier Dr.G.K.Devarajulu memorial inter Collegiate Quiz Competition (2009) conducted by G.V.N College, Kovilpatti.
- Won Second Place in QUANTA-2009 an Inter Collegiate Physics Quiz Competition conducted by Sri Paramakalyani College, Alwarkurichi.
- Won Third place in 23rd National Science day Inter collegiate quiz competition (2009) conducted and organized by Manonmanium Sundaranar University Teachers Association (MUTA).
- Won Second Place in POPE'S QUIZ-2009 an Inter collegiate science quiz competition (2009) conducted by Pope's College, Sawyerpuram.
- Participated and won finalist place in Q-KSHETRA,T.V.R memorial quiz competition conducted by R.L INSTITUTE OF MANAGEMENT STUDIES, Madurai.
- Won First place in Caricature (2009), Second place in Quiz (2008), Third place in Essay Writing (2008) in Inter Departmental competitions conducted in and by St. Xavier's College, Palayamkottai.
- Won Third Place in Slide Show-Paper presentation competition (2010), second place in Essay writing Competition (2011) Third place in Cross word Quiz competition (2011) organized and conducted by, School of Physics, Bharathidasan University-Tiruchirappalli.
- Participated and won Runners up (Finalist) title in Madurai- North District Inter Higher Secondary and Secondary Schools Athletic Association- B- Zone Basketball sports meet, winners up title in Inter departmental competition conducted in St. Xavier's college (Under graduation), and won winners up title in Football, runners-up title in Basketball in many school level sports completions.
- Awarded First class for C and C++ Computer Course by St. Mary's College of Computers-Madurai, affiliated to Madurai Kamarajar University, Madurai. Passed up to Rashtrabhasha Examination (Third level) conducted by Dakshina Bharat Hindi Prachar Sabha-Madras.
- Successfully completed two years of service with my at most dedication, interest and did a satisfactory service as a NSS volunteer.