

# RESUME



**Name: Dr. M. Sheela Udhaya Roselin**  
**Designation: Assistant Professor**  
**Department: Physics**  
**Address : St. Xavier's College, Palayamkottai**

## PERSONAL DETAILS

Date of Birth : 31-07-1985  
Qualification : M.Sc, B.Ed, M.Phil, P.hD  
Designation : Assistant Professor  
Department : Physics  
Community : B.C  
Religion : Christian  
Nationality : Indian  
Mobile : 9489116960  
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**ACADEMIC QUALIFICATIONS**

<b>Degree</b>	<b>Specialization</b>	<b>College</b>	<b>University</b>	<b>Year of Passing</b>
B.Sc	Physics	Holy Cross College, Nagercoil	Manonmanium Sundaranar University	2005
M.Sc	Physics	Women's Christian College, Nagercoil	Manonmanium Sundaranar University	2007
B.Ed	Physical Science	Ponjesly College of Education, Nagercoil	Manonmanium Sundaranar University	2010
M.Phil	Physics	Holy Cross College, Nagercoil	Manonmanium Sundaranar University	2010
P.hD	Radiation Physics	Women's Christian College, Nagercoil	Manonmanium Sundaranar University	2018

**ACADEMIC IDENTITY**

*VIDWAN ID	287839
*ORCID ID	0000-0002-9795-047X
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	GOK-0788-2022
GOOGLE SCHOLAR LINK	

**TEACHING EXPERIENCE**

<b>Date of Appointment</b>	18-07-2022
<b>Date of Retirement</b>	

<b>Teaching Experience</b>	UG - 7 years
	PG – 2 years
	M.Phil. - ---
<b>Research</b>	Guided M Phil: ---- Guided Ph D: ---- Guiding Ph Scholar: ----

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	To	Years
UG Physics	Annai Velaikannai College, Tholayavattam	2018	2020	2
PG Physics	Annai Velaikannai College, Tholayavattam	2018	2020	2
Engineering Physics	Vins Christian College of Engineering	2011	2016	5

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the work was carried out
P.hD	Measurement of Activity Concentration of Radionuclides and Estimation of Radilogical Indices due to Radiation from the Western Ghats of South India	Manonmanium Sundaranar University

AREAS OF RESEARCH

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A	PAPERS	WEBINARS,	

	RESOURCE PERSON	PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	SEMINARS, WORKSHOPS ATTENDED	

<b>PUBLICATIONS: BOOKS ()</b>			
S. No	Title of the Book	Publication	Year

<b>BOOK CHAPTERS ()</b>			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

<b>PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()</b>			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

<b>PUBLICATIONS: UGC LISTED JOURNALS ()</b>			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Estimation of radiological parameters of the rock	Studies in Indian Place Names	40(18)

	samples of the western ghats in kerala		
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**PUBLICATIONS: OTHER INDEXED JOURNALS ()**

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No
1	Evaluation of radiation hazard indices due to the rock samples of Western Ghats of South TamilNadu	International Journal of Advanced Research,	4(12).486-495, November 2016
2	Estimation of activity concentration of Uranium and Thorium using gross alpha and gross beta in agricultural soils in Kanyakumari District	International Journal of Agriculture and Environmental Science,	4(2), 2016
3	Study of gross alpha and gross beta activities in rock samples of Western Ghats in Kanyakumari District	International Journal of Applied Sciences,	5(1), 2016
4	Estimation of radionuclides concentration of the rock samples from the Western Ghats in Kerala	Frontiers in Physics,	ISBN: 978-93-84734-71-8, 13 <sup>th</sup> Mar, 2019
5	Estimation of gross alpha and gross beta activities of the rock samples collected from the Western Ghats in Kerala, ,	Functional Materials and Nanotechnology	ISBN: 978-93-5346-855-2, 25 <sup>th</sup> Jan, 2019
6	A study of radiological hazardous nature of radionuclides and statistical analysis,	Proceedings of National conference on Advances in Chemical and Nuclear Technology	13-14 <sup>th</sup> Feb, 2014
7	Radiogenic heat production in beach soil samples of Kanyakumari District,	Proceedings of National conference on Multi disciplinary Research- An Indian Scenario	11 <sup>th</sup> Mar, 2013
8	Alpha and beta activities of the building materials of South India,	Proceedings of the National Conference on Recent Trends in Arts, Science and Management,	ISBN: 978-81-910747-3-4, 17 <sup>th</sup> Feb, 2012

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Estimation of radiological parameters of the rock samples from the Western	National Seminar on Physics,	20 <sup>th</sup> Feb 2020, Women's

	Ghats in Kerala		Christian college, Nagercoil
2	Estimation of activity concentration of radionuclides in medicinal plants collected from the locations in Killiyoor Taluk, TamilNadu,	”, National Conference on Advances in Materials Chemistry and Physics	6- 7 <sup>th</sup> Dec 2019, Annai Velankanni College, Tholayavattam
3	Estimation of radionuclides concentration of the rock samples from the Western Ghats in Kerala	National Seminar on Physics	13 <sup>th</sup> March 2019, Women’s Christian College, Nagercoil
4	Estimation of gross alpha and gross beta activities of the rock samples collected from the Western Ghats in Kerala	National Conference on Functional Materials and Nanotechnology	25 <sup>th</sup> Jan 2019, Annai Velankanni College, Tholayavattam
5	A study of radiological hazardous nature of radionuclides and statistical analysis	National Conference on Advances in Chemical and Nuclear Technology	13 <sup>th</sup> and 14 <sup>th</sup> February 2014, Nesamony Memorial Christian College, Marthadam
6	Radiogenic heat production in soil samples in Kanyakumari District	National Conference on Multidisciplinary Research- An Indian Scenario	11 <sup>th</sup> March 2013, Women’s Christian College, Nagercoil.
7	Alpha and beta activities in the building materials of South India	National Conference on Recent Trends in Arts, Science and Management	17 <sup>th</sup> February 2012, Women’s Christian College, Nagercoil
8	Natural Radioactivity in soil samples of villages in South India	Eighth All India Conference of SRF,	2nd April 2011, Scott Christian College (Autonomous), Nagercoil

<b>WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:</b>			
<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>

1	Lecture Workshop on its “Spectroscopy and its Perspective”,	Annai Velankanni College, Thalayavattam	12 <sup>th</sup> February 2020,
2	National Seminar on “Nuclear Power- Clean Energy for Green Future”,	NPCIL, Koodankulam	2 <sup>nd</sup> September 2016, Pioneer Kumaraswamy College, Nagercoil
3	National Conference on “Recent Trends in Crystal Growth, Thin Films and Nano Structured Materials”,		5 <sup>th</sup> and 6 <sup>th</sup> August 2009, Aditanar College of Arts and Science, Tiruchendur
4	One Day Seminar on “Advances in Physics”,	Manonmanium Sundaranar University, Tirunelveli	25 <sup>th</sup> January 2007, Manonmanium Sundaranar University, Tirunelveli
5	One Day Seminar on “Nuclear Radiation”,		5 <sup>th</sup> March 2007, Holy Cross College, Nagercoil
6	One Day Seminar on “Nuclear Radiation”,		8 <sup>th</sup> March 2006, Women’s Christian College, Nagercoil
7	One Day Seminar on “Recent Trends in Selected Areas in Condensed Matter Physics”,		6 <sup>th</sup> February 2004, Holy Cross College, Nagercoil

**ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT  
PROGRAMME UNDERGONE ( )**

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	FDP on Advanced Materials Research	BIET and Indian Ceramic Society	15 -19 <sup>th</sup> June, 2020
2	FDP on Radiation and Environmental Radioactivity	CSI College of Engineering, Ooty	3- 5 <sup>th</sup> June, 2020
3	FDP on Statistical Analysis using SPSS	MS University & MHRD	5- 11 August, 2020

**Date: 30-07-2022**

**Name: Dr.M.Sheela Udhaya Roselin**