RESUME

Dr. P. Esther Rubavathi
Guest Lecturer,
Rani Anna Govt. college for Women
Tirunelveli -627 008
TAMILNADU

PERSONALDETAILS

DateofBirth	: 26.11.1991
Qualification	: M.Sc., M.Phil., Ph.D.
Designation	: Guest Lecturer
Department	:Physics
Community	: BC Nadar
Religion	:Christian
Nationality	:Indian
EmailID	:runidaduliph@gmail.com

ACADEMICQUALIFICATIONS				
Degree	**Specialization**	**College**	**University**	**Year of Passing**
Ph.D.	Material Science		Manonmaniam Sundaranar University	2021
M.Phil.	Material Science		Manonmaniam Sundaranar University	2015
M.Sc.	Physics	Sarah Tucker College	Manonmaniam Sundaranar University	2014
B.Sc.	Physics	Sarah Tucker College	Manonmaniam Sundaranar University	2012

TEACHINGEXPERIENCE	
DateofAppointment	20.01.2023
DateofRetirement	
TeachingExperience	
Research	Material Sciece

COURSES/ CLASSESTAUGHT	NAME OF THEINSTITUTIONS	DURATION		
		From	**To**	**Years**
B.Sc. Physics	Rani Anna Govt. College for Women	20.01.2023	Till date	5 months
B.Sc. Maths	Rani Anna Govt. College for Women	20.01.2023	Till date	5 months
M.Sc. Physics	Rani Anna Govt. College for Women	20.01.2023	Till date	5 months

DETAILSOFRESEARCHWORK		
Research Stages	**TitleoftheThesis**	**Universitywherethe workwascarried out**
	Impact of oxygen off-stoichiometry on the origin of magnetoelectric properties of Fe, Co, Fe-Gd and Fe-Dy substituted $BaTiO_{3-\delta}$ ceramics	ManonmaniamSundaranar University

AREASOFRESEARCH
Material science
Nanoscience

PUBLICATIONS:UGCLISTEDJOURNALS(0)			
S.No	**TitleofthePaper**	**NameoftheJournal**	**ISSNNo.,Volume,Issue,Impactfactor&Pg.No**
1.	Suppression of intermediate antiferroelectric phase in sub-micron grain size $Na_{0.5}Bi_{0.5}TiO_3$ ceramics	*Journal of Material Science: Material in Electronics*	**33**, 25006–25024 (2022).**I.F.2.478**
2.	Origin of magnetic, magnetoelectric effect and the influence of reentrant ferroelectric phase on the structural and multiferroic properties of Dy^{3+}-Fe^{3+} co-substituted $BaTiO_3$ ceramics	*Journal of Magnetism and Magnetic Materials*	**538** (2021):168260**I.F. 3.097**
3.	Enrichment of magnetoelectric effect in the hexagonal $BaTi_{1-x}Co_xO_3$ artificial type-II multiferroics by defects	*Journal of Magnetism and Magnetic Materials*	**529** (2021):167927.**I.F. 3.097**
4.	Impact of non-magnetic $BaTiO_3$ substitution on structure, magnetic, thermal and ferroelectric properties of $BiFeO_3$ ceramics at morphotropic phase boundary	*Materials Chemistry and Physics*	**255** (2020): 123560. **I.F. 4.094**
5.	Structure, morphology and magnetodielectric investigations of $BaTi_{1-x}Fe_xO_{3-\delta}$ceramics	*Journal of Materials Science: Materials in Electronics*	**30**, no. 6 (2019): 5706-5717. **I.F. 2.478**
6.	Impact of Ba/Ti ratio on the magnetic properties of $BaTiO_3$ ceramics	*Vacuum*	**159** (2019): 374-378. **I.F. 4.11**
7.	Structure, microstructure, magnetic and magnetodielectric investigations on $BaTi_{(1-x-y)}Fe_xNb_yO_3$ ceramics	*Ceramics International*	44, no. 7 (2018): 8161-8165. **I.F. 5.532.**

PUBLICATIONS:OTHERINDEXEDJOURNALS(0)International:0			
S.No	**TitleofthePaper**	**NameoftheJournal**	**ISSNNo.,Volume,Issue,Impactfactor&Pg.No**
1.	Suppression of intermediate antiferroelectric phase in sub-micron grain size $Na_{0.5}Bi_{0.5}TiO_3$ ceramics	*Journal of Material Science: Material in Electronics*	**33**, 25006–25024 (2022).**I.F.2.478**
2.	Origin of magnetic, magnetoelectric effect and the influence of reentrant ferroelectric phase on the structural and multiferroic properties of Dy^{3+}-Fe^{3+} co-substituted $BaTiO_3$ ceramics	*Journal of Magnetism and Magnetic Materials*	**538** (2021):168260**I.F. 3.097**
3.	Enrichment of magnetoelectric effect in the hexagonal $BaTi_{1-x}Co_xO_3$ artificial type-II multiferroics by defects	*Journal of Magnetism and Magnetic Materials*	**529** (2021):167927.**I.F. 3.097**
4.	Impact of non-magnetic $BaTiO_3$ substitution on structure, magnetic, thermal and ferroelectric properties of $BiFeO_3$ ceramics at morphotropic phase boundary	*Materials Chemistry and Physics*	**255** (2020): 123560. **I.F. 4.094**
5.	Structure, morphology and magnetodielectric investigations of $BaTi_{1-x}Fe_xO_{3-\delta}$ceramics	*Journal of Materials Science: Materials in Electronics*	**30**, no. 6 (2019): 5706-5717. **I.F. 2.478**
6.	Impact of Ba/Ti ratio on the magnetic properties of $BaTiO_3$ ceramics	*Vacuum*	**159** (2019): 374-378. **I.F. 4.11**
7.	Structure, microstructure, magnetic and magnetodielectric investigations on $BaTi_{(1-x-y)}Fe_xNb_yO_3$ ceramics	*Ceramics International*	44, no. 7 (2018): 8161-8165. **I.F. 5.532.**

WEBMINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP PAPERPRESENTED:National(0)International(0)			
S.No	**NameoftheEvent**	**Name of theSponsoringAgency**	**PlaceandDate**
1.	International Conference on Advanced Materials Chemistry at the Interfaces of Energy, Environment and Medicine	UGC	31.Jan.2020 ManonmaniamSundaranar University
2.	National Conference on Energy Materials (NCEM)	UGC-SAP-DRS-II	28-29th June 2018Manonmaniam Sundaranar University
3.	National symposium (MRSI) on Advances in Functional and Exotic Materials	UGC	12-16 Feb 2018Bharathidasan University, Trichy
4.	National Seminar on Advances in Materials Science		Mar 02-03, 2017, ManonmaniamSundaranar University
5.	International Workshop on Advanced Functional Materials and Devices		8-12th Jan 2017Manonmaniam Sundaranar University
6.	National conference on Chemistry For Sustainable Energy, Clean Environment and Health	UGC	21 & 22 Jan. 2015. ManonmaniamSundaranar University
7.	National seminar on Advances in Materials Science		September 2014Manonmaniam Sundaranar University
8.	National seminar on Recent Trends in Material Science		October 2013Sarah Tucker College, Tirunelveli
9.	National seminar on Insights in Nonlinear Dynamics &Nanoscience		Sarah Tucker College, Tirunelveli on February 2011

10.	State level seminar on Groups & Graphs" and "Mathematics for competitive examinations		Sarah Tucker college, Tirunelveli on June 2010.

Date **N**