

RESUME

Name :X. Helan Flora
 Department :Physics
 Designation :Assistant Professor
 Category :Aided / SF
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 Date of Birth :11-07-1972
 Date of Joining :16-06-2008
 Date of Retirement :30-06-2030



Qualification:

Sr.	Category	Name of the Degree	Specialization	Year of Passing	Name of the College/University	% of Marks / Grades Obtained	Class Obtained
1.	UG	B.Sc	Physics	1994	JeyarajAnnapackiam college	74	First
2.	U.G.	B.Ed.,	Physical Science	1998	Alagappa university		First
3.	PG	M.Sc	Physics	1996	Alagappa university	70	First
4.	M.Phil.,	M.Phil.,	Physics	1997	Alagappa university	78	First
5.	Ph.D.	Ph.D.	Solid state ionics	2013	Alagappa university		First

Academic Experience:

Name of the College	Whether Aided/SF	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
GundavaiNachiar government college for women	SF	Guest Lecturer	1/7/2003	31/3/2004	-	9	-
AVVM Sri Pushpam college	SF	Lecturer	23/9/2004	30/4/2008	3	7	7
Kamaraj College	Aided	Assistant Professor	16/6/2008	Till date	12	4	-
				Total	15	20	7

Administrative / Other Position held:

Name of the Organization	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
National cadet corps	Associate NCC Officer		July 2011	Till date	9	10	-
				Total	9	10	-

Number of Ph.D scholars registered:

Sr.	Name of the Scholar	Register Number	Year of Registration	Name of the University
	Smila.L	18223162132003	2018	ManonmaniamSundaranar University

Minor / Major Projects completed:

Sr.	Project Title	Duration	Funding Agency	Total Cost
	Development and Characterization of Polymer nano composite membrane for lithium battery application	2017-2019	UGC	2,00,000

Papers Published:

Sr.	Name of the Author	Title of the Paper	Name of the Journal	Year	Vol. No. Issue No.	Page No	Impact of Factor
1	X. Helen Flora, T. Prabhakaran and J. Hemalatha,	Synthesis of NanosizedMagnetolectric Multiferroic Material	International Conference Proceeding, ICMSRN 2008, Mother Teresa women's university, Kodaikanal	2008			
2	X. Helen Flora, T. Prabhakaran B. Sundaresanand J. Hemalatha	Factors Controlling The size of MultiferroicBismuth Ferrite Nano Particles	ISSS International conferenceProceeding	2008		48	
3	X. Helen Flora, B. Sundaresan and J. Hemalatha	Synthesis and Characterization of nanocomposite polymer electrolytes	National ConferenceProceeding ,NIT, Thiruchirapalli	2008			
4	M. Vimalan1, X. Helan Flora, S. Tamilselvan, R. Jeyasekaran, P. Sagayaraj, C.	Optical, thermal, mechanical and electrical properties of a new NLO material: Mono- L-alaninium nitrate (MAN)	Archives of Physics Research	2910	1,3	44-53	

	K. Mahadevan						
5	S. Tamilselvan, X. Helan Flora , A. Cyrac Peter, M. Gulam Mohamed, C.K. Mahadevan, M. Vimalan, J. Madhavan	Growth and electrical properties of NLO crystals of L-Asparaginium nitrate (LAsN)	Archives of Physics Research	2011	3, 1	235- 240	
6	X. Helan Flora , M. Ulaganathan, Ravi ShankerBabu, S. Rajendran,	Evaluation of lithium ion conduction in PAN/PMMA-based polymer blend electrolytes for Li-ion battery applications	Ionics	2012	18	731- 736	1.67
7	X. Helan Flora , M. Ulaganathan, S. Rajendran	Influence of Lithium Salt Concentration on PAN- PMMA Blend Polymer Electrolytes	International Journal of Electrochemical. Sciences	2012	7	7451 - 7462	1.5
8	X. Helan Flora , M. Ulaganathan, S. Rajendran	Role of different plasticizers in Li-ion conducting poly(acrylonitrile) - poly(methyl methacrylate) hybrid polymer electrolyte	International Journal of polymeric materials and Polymeric Biomaterials	2013	62	737- 742	3.5
9	X. Helan Flora , M. Ulaganathan, K. Kesavan, S. Rajendran	Synthesis of blendable plasticized nanocomposite polymer electrolyte using poly(acrylonitrile) - poly(methyl methacrylate) polymer blends	Z.Phys.Chem,	2014	228	673- 684	1.2
10	Mani Ulakanathan, Yeo Li Lei, Xavier Helan Flora , Qingyu Yan	Charge Transport, Mechanical and Storage Performances of Sepiolite Based Composite Polymer Electrolytes	Chemistry Select	2016	1	5821 - 5827	1.71
11	X. Helan Flora, T. Prabhakaran	Ionic conduction studies of P(VP/AC) polymer electrolytes for lithium battery applications	AIP Conference Proceedings	2019		2162	

**Conference / Seminar / Workshop / Orientation / Refresher Course / Symposia / Training Programme
Attended:**

Sr.	Theme	Place	International / National / State Level	Year	Resource Person / Paper Presentation / Participation
1	Refresher course	Madras University-conducted by Indian academy of sciences)	National	2007	Participated
2	Orientation course	Bharathiar University, Coimbatore		2010	Participated
3	Conference on Polymer Processing and Characterization	Kottayam, Kerala	International	2010	Paper Presented
4	Polymers: Synthesis, Characterization and Application	MannarThirumalaiNaicker College, Madurai	National Seminar	2011	Paper presented
5	Conference on Advanced Materials	PSG College of Technology, Coimbatore	International Conference	2011	Paper presented
6	Conference on Multicomponent Polymer	Kottayam, Kerala	International Conference	2012	Paper presented
7	Refresher course	Madras University, Chennai,	-	2012	Participated
8	Certificate Entry Course	Officers training academy Gwalior	-	2013	Participated
9	Ref - cum - Pro SW-54" course	Officers training academy Gwalior	-	2016	Participated
10	Refresher course	Hyderabad University, Hyderabad	-	2017	Participated
11	Conference on advanced materials	St. Joseph's College, Thiruchirapalli	International Conference	2017	Paper presented
12	Refresher course	Jawaharlal Nehru University, Delhi.	-	2018	Participated
13	Conference on advanced materials	NirmalagiriCollege, Kannur, Kerala	International Conference	2019	Paper presented

It is certified that all the information provided are true to the best of my knowledge.