

**PUBLICATIONS BY FACULTY**

**Department of Science and Humanities**

Journal Publications/Conference publications by Physics Faculty

SNo	Name of Faculty	Title of Paper	Journal / Conference	Name of Journal/Conference	Issue No, Year, month and Volume No	Page Numbers
1	Prof.B.Bhanu Prasad	Compositional dependence of magnetic hyperfine field in $Fe_{80-x}Pr_xB_{20}$ alloys	Journal	International Journal of Innovative Research in Science, Engineering and Technology	3, 2014	12
		Crystallization Kinetics in amorphous $Fe_{68.8}Cu_{0.5}Nb_{2.6}Si_{18.6}B_{9.5}$ Alloy	Journal	Journal of Basic and Applied Engineering Research	2, 2015	455
		Study of Crystallization Process of $Fe_{78}Tm_2B_{20}$ and $Fe_{76}Tm_4B_{20}$ alloys	Journal	International Journal of Engineering Research and Applications	5, 2015	82
		Crystallization kinetics and phase transformation in amorphous $Fe_{74}Co_{10}B_{16}$ and $Fe_{67}Co_{18}B_{14}Si_1$ alloy	Journal	Int. J. Engg. Res. and Appl	5, 2015	83
		Structure and crystallization behaviour of amorphous $Fe_{76}Tm_4B_{20}$ alloy studied by DSC, SEM and EDS	Conference	Materials Science	10C,2015	609
		<b>Investigation of Amorphous <math>Fe_{80-x}Pr_xB_{20}</math> (<math>2 \leq x \leq 8</math>) Alloys</b>	Conference	Int. J. Engg. Res	5,2016	
		<b>Crystallization Kinetics in</b>	Conference	Int. J. Engg. Res	5,2016	

		<b>Amorphous Fe<sub>74</sub>Y<sub>6</sub>B<sub>20</sub> Alloy</b>				
		Calculation of Activation Energy, Frequency Factor and Avrami Exponent of Amorphous Fe <sub>76</sub> Pr <sub>4</sub> B <sub>20</sub> and Fe <sub>76</sub> Dy <sub>4</sub> B <sub>20</sub> Alloys on the Basis of Crystallization Kinetics	Journal	Research & Reviews: Journal of Material Sciences	5,2017	45
		Influence of Rare-Earth concentration on the crystallization process and application of Kissinger, Augis-Bennet and Matusita-Sakka equations to kinetics analysis of amorphous Fe <sub>78</sub> Tm <sub>2</sub> B <sub>20</sub> and Fe <sub>76</sub> Tm <sub>4</sub> B <sub>20</sub> alloys	Journal	Int. J. Mater. Science	12,2017	561
		A detailed Mossbauer study on amorphous Fe <sub>80-x</sub> Pr <sub>x</sub> B <sub>20</sub> (0≤X≤8) alloys	Journal	Int. J. Mater. Science	12,2017	571
		Structure and kinetic study of amorphous Fe <sub>73.5</sub> Si <sub>13.5</sub> B <sub>9</sub> Nb <sub>3</sub> Cu <sub>1</sub> alloy using XRD and DSC	Journal	Int. J. Emerging Tech. and Adv. Engg	7,2017	88
2	Dr.A.R.Subrahmanyam	Preparation and study of properties of polymer electrolyte system (PEO + NaClO <sub>3</sub> )	Journal	Materials Letters <b>ELSEVIER</b>	60,2006	. 3346-3349
		Conductivity study of polyethylene oxide (PEO) complexed with Sodium bicarbonate	Journal	Journal of Material Science Vol 42, <b>ELSEVIER</b>	JULY 2006	5752-5755
		Mechanical and Electrical Conductivity Studies of PANI-PVA and PANI-PEO Blends	journal	International Journal of Material Science, www.ij-ms.org ©C World Academic	Vol.2 Iss.1 2012	.27-30
		Characterization of Novel PVA	Journal	International	,	249-256

		based polymer electrolyte.		journal of Advanced Materials Science (IJAMS)	vol.3, Nov2012	
		“Characterization of C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> doped PVA solid polymer electrolyte”	Journal	Journal of Polymer Eng g. 2014	Publishe d Online : 02-04-2014	
		Ionic conductivity and transport properties of poly ( vinylidene fluoride-co-hexafluoropropylene) basedsolid polymer electrolytes	Journal	Chemical physics letters <b>ELSEVIER</b>	658; 2016	240-247
		Characterization of polymer electrolytes based on of poly( vinylidene fluoride-co-hexafluoropropylene and Lithium Triflate	Journal	International journal of Chem Tech Research <b>ELSEVIER SCOPUS</b>		
		Crystallization kinetics in amorphous Fe <sub>68.8</sub> CU <sub>0.5</sub> Nb <sub>2.6</sub> Si <sub>18.6</sub> B <sub>9.5</sub> alloy	Journal	Journal of Basic and Applied Engineering Research	Vol 2,	455-457
		Fabrication of Polymer Electrochemical Cells	Journal	Electro Chemical Cells	12	5
		Optical and conductivity studies of polymer blend thin films of PMMA and PEO	Journal	IJETAE July 2017	Vol 7, Issue 7	
3	N.Rajya Lakshmi	Compositional dependence of magnetic hyperfine field in Fe <sub>80-x</sub> Pr <sub>x</sub> B <sub>20</sub> alloys	Journal	International Journal of Innovative Research in Science, Engineering	3 , 2014	12

				and Technology		
		<b>Investigation of Amorphous Fe<sub>80-x</sub>Pr<sub>x</sub>B<sub>20</sub> (2≤X≤8) Alloys</b>	Conference	Int. J. Engg. Res	5,2016	
		Calculation of Activation Energy, Frequency Factor and Avrami Exponent of Amorphous Fe <sub>76</sub> Pr <sub>4</sub> B <sub>20</sub> and Fe <sub>76</sub> Dy <sub>4</sub> B <sub>20</sub> Alloys on the Basis of Crystallization Kinetics	Journal	Research & Reviews: Journal of Material Sciences	5,2017	45
		A detailed Mossbauer study on amorphous Fe <sub>80-x</sub> Pr <sub>x</sub> B <sub>20</sub> (0≤X≤8) alloys	Journal	Int. J. Mater. Science	12,2017	571
4	M.D.V.Srilalitha	Crystallization Kinetics in amorphous Fe <sub>68.8</sub> Cu <sub>0.5</sub> Nb <sub>2.6</sub> Si <sub>18.6</sub> B <sub>9.5</sub> Alloy	Journal	Journal of Basic and Applied Engineering Research	2, 2015	455
		Study of Crystallization Process of Fe <sub>78</sub> Tm <sub>2</sub> B <sub>20</sub> and Fe <sub>76</sub> Tm <sub>4</sub> B <sub>20</sub> alloys	Journal	International Journal of Engineering Research and Applications	5, 2015	82
		Crystallization kinetics and phase transformation in amorphous Fe <sub>74</sub> Co <sub>10</sub> B <sub>16</sub> and Fe <sub>67</sub> Co <sub>18</sub> B <sub>14</sub> Si <sub>1</sub> alloy	Journal	Int. J. Engg. Res. and Appl	5, 2015	83
		Structure and crystallization behaviour of amorphous Fe <sub>76</sub> Tm <sub>4</sub> B <sub>20</sub> alloy studied by DSC, SEM and EDS	Conference	Materials Science	10C,2015	609
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		Influence of Rare-Earth concentration on the crystallization process and application of Kissinger, Augis-Bennet and Matusita-Sakka equations to kinetics analysis of amorphous Fe <sub>78</sub> Tm <sub>2</sub> B <sub>20</sub> and Fe <sub>76</sub> Tm <sub>4</sub> B <sub>20</sub> alloys	Journal	Int. J. Mater. Science	12,2017	561
		Structure and kinetic study of	Journal	Int. J.	7,2017	88

		amorphous $\text{Fe}_{73.5}\text{Si}_{13.5}\text{B}_9$ $\text{Nb}_3\text{Cu}_1$ alloy using XRD and DSC		Emerging Tech. and Adv. Engg		
5	Dr.K. Hadasa	<b>Effect of copper doping on structural, optical and electrical properties of <math>\text{Cd}_{0.8}\text{Zn}_{0.2}\text{S}</math> films prepared by chemical bath deposition</b>	Journal	<i>Bulletin of Material Science</i>	<i>Volume 37, February 2014</i>	53–60.
		<b>Electrical and Thermoelectric properties of Cu doped <math>\text{Cd}_{0.8}\text{Zn}_{0.2}\text{S}</math> Compound prepared by modified Co-precipitation method</b>	Journal	<i>IOSR Journal of Applied Physics</i>	<i>Volume 6, May-Jun. 2014</i>	39-48.
		<b>Optical and transport properties of <math>\text{Cd}_{0.8}\text{Zn}_{0.2}\text{S}:\text{Cu}</math> compounds prepared by modified chemical co-precipitation method</b>	Journal	<i>Optik - International Journal for Light and Electron Optics</i>	<i>Volume 125, November 2014</i>	<i>Pages 6602-6608</i>
		<b>Growth, characterization, optical and vibrational properties of <math>\text{Sm}^{3+}</math> doped <math>\text{Cd}_{0.8}\text{Zn}_{0.2}\text{S}</math> semiconductor compounds</b>	Journal	<i>Journal of Crystal Growth,</i>	<i>Volume 386, 15 January 2014,</i>	<i>Pages 62-68</i>
		<b>Low temperature DC conductivity, impedance spectroscopy and dielectric properties of Na doped <math>\text{Cd}_{0.8}\text{Zn}_{0.2}\text{S}</math> semiconductor compounds</b>	Journal	<i>Journal of Alloys and Compounds</i>	<i>Volume 609, 5 October 2014,</i>	<i>Pages 192-200</i>
6	K.Venkata Ramana	Characterization of $\text{LiClO}_4$ doped PVDF POLYMER Electrolyte	Journal	International Journal of Emerging Technology and Advanced Engineering	volume 7, issue 11, Nov 2017	page no 484 to 488

				(International		
7	M. Ravindar Reddy	Optical and Conductivity Studies of Polymer Blend Thin Films of PMMA and PEO	Journal	International Journal of Emerging Technology and Advanced Engineering (International)	Volume 7 & July 2017	175-178
		Structural, Thermal and Optical properties of PMMA, PEO and PMMA/PEO/LiClO <sub>4</sub> Polymer electrolyte blends	Journal	Material Science Research india (International)	Volume 14 (2), Dec.2017	Accepted & Communicated
		Characterization of LiClO <sub>4</sub> doped PVDF solid polymer electrolyte	Journal	International Journal of Emerging Technology and Advanced Engineering (International)	Volume 7 Nov.2017	484-488

### PUBLICATIONS BY FACULTY (Mathematics)

Journal Publications/Conference publications or others

SNo	Name of Faculty	Title of Paper	Journal / Conference	Name of Journal/Conference	Issue No, Year, month and Volume No	Page Numbers
1	Dr.G.Lakshmi Kameswari	Estimation of production functions for JSSP using GA	International journal	International journal of current Engineering & technology	P-ISSN: 2347-5161, 2015, December, volume no:5	3707-3713
2	Dr.G.Lakshmi Kameswari	Some numerical studies on Machine scheduling problems	International Journal	International journal of engineering Research	ISSn:2319-6890, 2016, February, Volume No:5	377-381
3	Dr.G.Lakshmi	Algorithmic Approach for	National	Trends in	2015,September,	66

	Kameswari	estimation of productivity	Conference	Mechanical Engineering, JNTUA	Volume:01	
4	Dr.G.Lakshmi Kameswari	A comparative study of shifting bottle neck algorithm with GA for JSSP	National Conference	National conference in Advances in Information technology	2016, January,volume:1	73-77
5	Dr.G.Lakshmi Kameswari	Some numerical studies on Machine scheduling problems	National Conference	Innovative Trends in Mechanical & Automotive Engineering, MVSREC,Hyderabad	2016, February, Vol:1	189-194
6	Dr.G.Lakshmi Kameswari	Design of HRHE using Artificial Intelligence	National Seminar	All India seminar on safety management and energy Conservation in process Industries- Institute of engineers, Hyderabad	October, 2017	115-122
7	Dr.K. Ramesh Babu	Enhancing security using video stenography and water marking	International journal	Society for science and education United Kingdom.	Volume 3 , Issue 5, ISSN 2045-7412, November 2015	1-9
8	Dr.K. Ramesh Babu	Encryption Techniques for Big Data in a Cloud	International journal	International journal of modern trends in Engineering and Research.	ISSN(print):2393-8161, Volume 02, Issue 08, August 2015	413-429
9	Dr.K. Ramesh Babu	Green Computing- An Efficient Eco Friendly Computing.	International journal	International journal of modern trends in Engineering and Research.	ISSN(print):2393-8161, Volume 02, Issue 08, August 2015.	430-444
10	Dr.K. Ramesh Babu	Enhancing security through stenography by using Sudoku puzzle and ECC Algorithm	International journal	International journal for research in science Engineering and Technology.	ISSN:2394-739x, Volume 2, Issue 6, August 2015.	29-43
11	Dr.K. Ramesh Babu	Defect Detection in Fabric	International	Society for science	Volume 3, Issue	10-18

		using Wavelet Transform and Genetic Algorithm.	journal	and education United Kingdom	6, ISSN 2054-7390, November 2015.	
12	D.Bhagyamma	Double diffusive effects on MHD free convection boundary layer casson fluid flow past a vertically inclined porous plate: Thermal radiation and chemical reaction effects	International journal	Elixir International journal	Elixir Appl.maths.109 (2017)47908-47920 ISSN:2229-712x	
13	D.Bhagyamma	MHD free convective flow past a vertical porous plate in a porous medium in the presence of Soret and Dofour effects.	International journal	International journal of emerging research in management & technology	ISSN:2278-9359, Volume 6, Issue 8, August 2017.	