FACULTY PROFILE

Name of the Faculty:	Dr. KANNEGANTI RAMAKRISHNA		
Designation:	PROFESSOR		
Department:	**PHYSICS**		
Date of Birth:	**23-9-1960**		
AICTE – ID:	**1-428231618**		
Education	• **Ph. D** in [SOLID STATE PHYSICS] awarded in [January 1991], from [BHU, VARANASI], [VARANASI]. • **M.Sc** in [SOLID STATE PHYSICS] with [FIRST] from [BHU, VARANASI], [VARANASI], [From 1981 – To 1983]. • **B.Sc** in [M.P.C]with [FIRST]from [Nagarjuna University], [Guntur], [From 1978 – To 1980].		
Experience	Teaching: 30Years	Industry: ---	**Total: 40 Years**
	Research: 10Years	Others: ---	
Research Specialization	SOLID STATE PHYSICS		
Courses taught	**1.** Engineering Physics, **2.** CMP-3, **3.** CMP-4 **4.** Waves and Modern Physics **5.** Semiconductor Physics and Nano materials.		

Research contributions

International/national peer reviewed journals

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing (SCI/WoS/ SCOPUS, Google scholar)
1	Investigations on the structural and hydrogenation characteristics of LaNi5, HoNi5, GdNi5, SmNi5, MmNi5, and CFMmNi4. 5Al0. 5 thin films	International journal of hydrogen energy	1985	10	523-529	**SCI/ WoS/ SCOPUS**
	On the Correlation Between Hydrogenation and Structural Behaviour of RNi sub 5 Type	Hydrogen Energy Progress VI.	1986	2	943-950	**SCI/ WoS/ SCOPUS**

	Storage Materials					
2	Solid state materials for hydrogen storage	Progress in Hydrogen Energy: Proceedings of the National Workshop on Hydrogen Energy, New Delhi, July 4–6, 1985	1987	1	81-110	**SCI/ WoS/ SCOPUS**
3	Effect of hydrogenation on the electrical resistivity of LaNi5 films	Journal of materials science letters	1987	6	15-16	**SCI/ WoS/ SCOPUS**
4	Electron microscopic studies of local structures of high temperature YBa2Cu3O7− x superconductor	Solid state communications	1988	65	831-834	**SCI/ WoS/ SCOPUS**
5	Studies on structural characteristics of high Tc superconducting Bi□ Ca□ Sr□ Cu□ O phases	Solid state communications	1988	68	629-634	**SCI/ WoS/ SCOPUS**
6	The hydrogenation behaviour of RNi5 type materials in thin film and bulk form	International journal of hydrogen energy	1989	14	573-577	**SCI/ WoS/ SCOPUS**
7	Investigations on the formation of new structural phases through stoichiometric deviations on Y sublattice in Y1Ba2Cu3O7±	Solid state communications	1989	70	651-655	**SCI/ WoS/ SCOPUS**
8	Electron microscopic investigations of neutron irradiated YBa2Cu3O7-x high temperature superconducting single crystals	Solid state communications	1991	77	259-263	**SCI/ WoS/ SCOPUS**
9	Electron microscopic observations of Bi and Tl bearing cuprate high temperature superconductors	Bulletin of Materials Science	1991	14	585-592	**SCI/ WoS/ SCOPUS**
10	Electron microscopic investigations of the as-synthesised and dissociated Y: 124 HTSC phases	Physica C: Superconductivity	1992	192	391-398	**SCI/ WoS/ SCOPUS**
11	Synthesis, characterization and hydrogenation behaviour of Mg-ξwt.% FeTi (Mn) and La2Mg17—ξwt.% LaNi5—new hydrogen storage composite alloys	Journal of alloys and compounds	1992	184	1-9	**SCI/ WoS/ SCOPUS**
12	On electron microscopic studies of structural characteristics of the Tl (Bi, Pb)□ Sr□ Ca□ Cu□ O high-temperature	Physica C: Superconductivity	1992	202	327-334	**SCI/ WoS/ SCOPUS**

	superconductor					
13	STRUCTURAL AND MICROSTRUCTURAL CHARACTERISTICS OF HIGH TEMPERATURE SUPERCONDUCTING CUPRATES IN RELATION	Studies of High Temperature Superconductors: Advances in Research and Applications	1993	11	409-409	**SCI/ WoS/ SCOPUS**
14	The synthesis and hydrogenation behaviour of some new composite storage materials: Mg-xwt% FeTi (Mn) and La2Mg17-xwt% LaNi5	International journal of hydrogen energy	1994	19	253-257	**SCI/ WoS/ SCOPUS**
15	Transmission Electron Microscopic Investigations of Microstructural Characteristics of High Temperature Superconductors	STUDIES OF HIGH TEMPERATURE SUPERCONDUCTORS	1995	1	237-264	**SCI/ WoS/ SCOPUS**
16	The eminence of copper ions on optical, electrical properties and morphology of B2O3-Bi2O3-Al2O3-MgO glasses	Journal of Non-Crystalline Solids	2021	564	120844-120844	**SCI/ WoS/ SCOPUS**

Books published

S. No.	Title of the book	Publisher	year
1			

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1				

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1				

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1			

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates

1			

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1			

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration

Consultancy contribution

S.No.	Year	Amount	Details
1			

Student Project/research guidance

S.No	Level	Total number
1	**UG**	**Completed: Ongoing:**
2	**PG**	**Completed: Ongoing:**
3	**PhD**	**Completed: Ongoing:**

Administrative experience

S.No.	Role	Duration (From – to)
1	**HOD, Physics Department**	**1992-2023**

Research credentials

Index/database	ID/Link
Google Scholar	**https://scholar.google.com/citations?hl=en&user=qnWD7ccAAAAJ**
SCOPUS	
Web of Science	
Vidwan ID	

Any other relevant information

Dr. K.RamaKrishna
14-9-2023