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 Storage Materials | Hydrogen Energy Progress VI. | 1986 | 2 | 943-950 | **SCI/WoS/SCOPUS** |
| 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 superconductor | Physica C: Superconductivity | 1992 | 202 | 327-334 | **SCI/WoS/SCOPUS** |
| 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 informationDr. K.RamaKrishna 14-9-2023 |