FACULTY PROFILE

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| 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 information  Dr. K.RamaKrishna  14-9-2023 | | | | | | | |