

VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)

DETAILS OF ON GOING RESEARCH PROJECTS

| S.No | Title & Scope of the R & D Project | Name of the Principal Investigator | Name of the Funding Agency | Total grant sanctioned | Year in which started | Duration |
|-------------|--|--|-----------------------------------|-------------------------------|------------------------------|-----------------|
| 1. | “Fabrication of novel biosensing system based on super growth vertical aligned single walled carbon nanotubes” | Dr.T.Somanathan Chemistry | SERB, DST, New Delhi | ₹20,00,000 | 2012 | 3 years |
| 2. | Studies on Immuno-prophylactic and therapeutic potentials of the hemi-parasitic mistletoe, <i>Dentrophthoe falcate</i> for application to disease control in Asian sea bass, <i>Lates calcarifer</i> ” | Dr.Dinakaran Micheal Biotechnology Dr.Seeli Balaji Microbiology | DBT, New Delhi | ₹34,20,000 | 2013 | 3 years |
| 3. | Development of endophytic bacterial consortium from selected Western Ghats of India | Dr.M.Melvin Joe Microbiology | SERB, DST, New Delhi | ₹18,40,000 | 2013 | 3 years |
| 4 | Synthesis and Characterization of Graphene by Chemical and Electro Chemical Methods | Dr.R.A.Kalaivani Chemistry | DMSRDE, DRDO | ₹9,80,000 | 2014 | 1½ year |
| 5 | Design, Development & prototype production of Magnesium water activated battery for MAV applications | Dr.S.Lahshminarayanan Dr.R.A.Kalaivani Chemistry | ARDB, DRDO | ₹8,14,000 | 2014 | 1 year |
| 6. | Cyto-toxic and Anti-cancer activities of novel perylene-di-imides | Dr.M.Vijeyanandhi Pharmacy | DBT, New Delhi | ₹23,86,241 | 2014 | 3 years |
| 7. | A study on Lifestyle trends influencing Processed food and Impact on Health among School Going Children | Ms. Vijayalakshmi HCM & Dr.S.Vasantha Management Studies | TNSCST, Chennai | ₹ 4,07,000 | 2014 | 2 years |

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|--------------|---|--------------------------------------|---------------------------|---------------------|------|-----------|
| 8. | Design and Simulation study of low profile Ku Band Airborne sitcom antenna unit for early warning system | Dr.Arun Raaza, Mr.K.Ramesh ECE | CABS, DRDO, Bangalore. | ₹ 9,80,000 | 2014 | 1 year |
| 9 | A study and design of Auto Loader system for Armored Fighting Vehicles. | Dr.M.Chandrasekaran Mechanical | CVRDE Avadi, | ₹9,89,000 | 2014 | 14 months |
| 10 | Government of India through NIELIT project for Computer training program for SC/ST students – O – level project | Dr.P.Mayilvahanan MCA | TNCST Chennai | ₹3,99,600 | 2015 | 1 year |
| TOTAL | | | | ₹1,42,66,241 | | |