



Ponnaiyah Ramajayam Institute of Science and Technology (PRIST)

Deemed to be University U/s 3 of UGC Act. 1956.

Vallam, Thanjavur-613403, India.

Centre for Research and Development

Ongoing Research activities at CRD

- Alternative renewable energy
- Biodiversity and conservational biology
- Bioinformatics
- Clinical microbiological research
- Drug discovery for kidney stone reduction, arthritis, heart attack and stroke, brain health, liver protective, diabetes, wound healing, wound sealing, biomarkers for major diseases
- Effluent treatment
- Laser applications
- Metabolic engineering of microorganisms for H₂ and biochemicals production
- Nanomaterials synthesis
- Optical sensors
- Solar cell
- Stem cell biology
- Tissue culture



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Extramural research projects (completed)	:	08
In-house projects (completed)	:	15
Extramural research projects (ongoing)	:	02

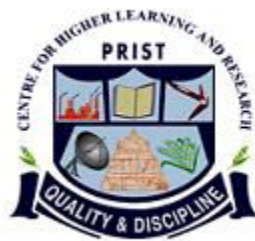
Research projects granted from funding agencies	:	10 (Total budget size: 1.95 Crore)
Projects proposals submitted for funding	:	22 (Total budget size: 8.23 Crore)

Funding agencies

- World Noni Research Foundation (WNRF), Govt. of India
- Department of Biotechnology (DBT), Govt. of India
- Indian Council of Medical Research (ICMR)
- Department of Science and Technology (DST)
- Indo-Korea (DST & Ministry of Energy, Science and Technology, Korea)
- Defense Research and Development Organization (DRDO)
- Women Scientist Scheme-DST
- DST-Fast track scheme

Academic particulars

Total registered Scholars	:	312
Ph.D. synopsis under processing	:	18
Ph.D. thesis under evaluation	:	39
Ph.D. degree awarded	:	168
In-house annual journals released	:	01



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Workshops/Conferences conducted

National	:	80
International	:	04

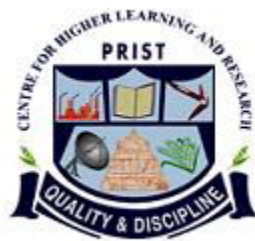
Patents/papers publications

Patent filed	:	15
Total number of publications	:	1362
Total number of Scopus-indexed publications	:	776
Books	:	10
Book chapters	:	15
Lowest impact factor	:	0.065
Highest impact factor	:	13.6
Average impact factor	:	1.0
<i>h</i> -index	:	23

Invited talks/conference presentation by the faculty : **255**

International recognition

Researcher Visiting to Other Countries	:	22
Young Scientist award	:	02
Fellow membership un international congress	:	01
Research papers with extension programs	:	06
Book chapter with extension program	:	01
Dual degree program with (SDSMT, USA)	:	01



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Scientist Forum	:	21
Research Scholars Colloquium	:	24
MoU signed (Related to R&D)		
National institutions & industries	:	10
International institutions	:	07

Consultancy services available at CRD -Research support Training Technology support

- Alternative energy models
- Animal feed formulations
- Animal breeding
- Aquaculture
- Aromatic and medicinal plant cultivation and supplies
- Biofertilizers
- Consolidated bioprocessing
- Disease free plantations
- Effluent treatment
- Embedded systems
- Mushroom cultivation
- Natural health drinks
- Organic farming
- Solar panel construction and process automation
- Vermicomposting
- Analytical support for students, researchers, industrial and technical professionals



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- Animal breeding and supplies
- Business support in aromatic and medicinal plants cultivation and marketing
- Farming system and management for agriculturists/farmers
- Pollution monitoring control
- Product and process development for industries
- Production of bulk and fine chemicals, biomaterials and energy related products
- Rural development
- Socio-economic development
- Solid waste and waste water management to industries
- Training programs for students and research scholars on innovative projects

Incubation and entrepreneurship development initiatives

- Seeding
- Incubation
- Technology development
- Patenting
- Commercialization
- Marketing