

ONGOING FUNDED PROJECTS

EASWARI ENGINEERING COLLEGE

Details of Ongoing funded projects

S. No	Title of Project	Investigator	Department	Funding Agency	Amount (Rs. in lakhs)
1	Synthesis and Investigation of New Rigid/ Non-Rigid Phenanthridine Derivatives and their Cyclometalated Iridium(III) Complex, as Chemosensor for Hg ²⁺	Dr. N.S. Karthikeyan	Chemistry	DST-SERB	22.78
2	Development of Apex Locating, Anti-microbial and Adaptive Gutta Percha Points for Root Canal Applications	Dr. G. Rajkumar Dr. S. Mahalaxmi Dr. K. Rajkumar	Physics & SRM Dental	DST-SEED	34.82
3	Development of Nano Concrete (NC) using Fumed Silica and Copper Slag	Dr. S. Lavanya Prabha Dr. M. Neelamegam	Civil	DRDO-RIC	28.62
4	Synthesis Characterization of Nitrogen Donor Extractants for the Separation of Minor Actinides from Lanthanides	Dr. N.S. Karthikeyan Dr. C. Ravichandran Dr. B. Venkatachalapathy Dr. M. Kumar	Chemistry	AERB	37.93
5	Project Centre for Technical Education Innovation Design Cell	Mr. P. Navaseelan	EEC	AICTE	17.30
6	Centre for Skill Development for SC/ST	Dr. M. Neelamegam	EEC	AICTE	17.95
7	User friendly Functional Simulation and Development Through Experimental Validation for Integration of PCM in Energy Efficient Buildings for Thermal Management	Dr. Antony Aroul Raj	Mechanical	DST	33.06
Total					192.46

Title of the Project : **Synthesis and Investigation of New Rigid/ Non-Rigid Phenanthridine Derivatives and their Cyclometalated Iridium(III) Complex, as Chemosensor for Hg²⁺**

Name of Principal Investigator : **Dr. N.S. Karthikeyan**

Total amount sanctioned : **Rs. 22.78 lakhs**

Funding Agency : SERB - DST

Duration of the project : 3 Years



Blank Hg²⁺ Ag²⁺ Cd²⁺ Co²⁺ Ca²⁺ Cu²⁺ K⁺ Mg²⁺ Ni²⁺ Na⁺ Pb²⁺ Zn²⁺

Title of the Project : **Development of Apex Locating, Anti-microbial and Adaptive Gutta Percha Points for Root Canal Applications**

Principal Investigator - 01 : **Dr. G. Rajkumar, Easwari Engineering College**

Principal Investigator - 02 : **Dr. S. Mahalaxmi**

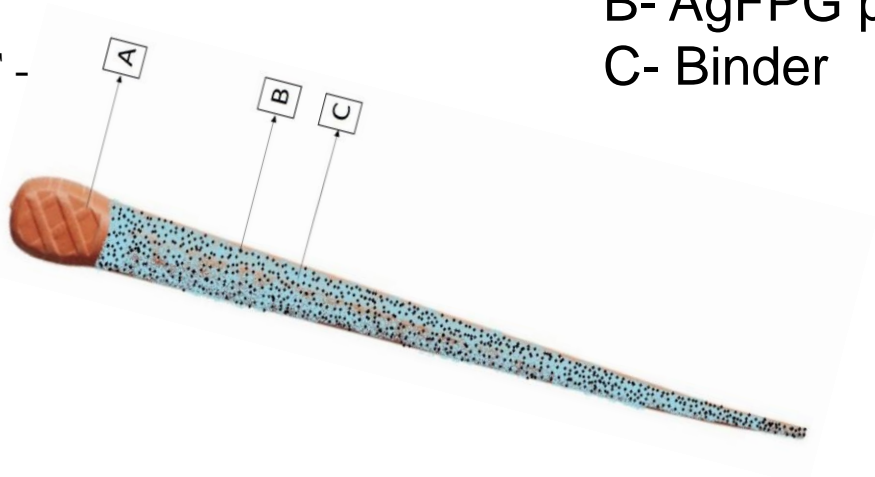
Co-Investigator : **Dr. K. Rajkumar**

Total amount sanctioned : **Rs. 34.82 lakhs**

Funding Agency : **DST -**

Duration of the project : **3 years**

A- Gutta Percha
B- AgFPG particles
C- Binder



Title of the Project : **Development of Nano Concrete (NC) using Fumed Silica and Copper Slag**

Principal Investigator : **Dr. S. Lavanya Prabha**

Co-Investigator : Dr. M. Neelamegam

Total amount sanctioned : **Rs. 28.62 Lakhs**

Funding Agency : DRDO-RIC

Duration of the project : 2 years



Micro steel
Fibre



Copper Slag



Fumed Silica

Title of the Project

: **Synthesis Characterization of Nitrogen Donor Extractants for the Separation of Minor Actinides from Lanthanides**

Principal Investigator

: **Dr. N.S. Karthikeyan**

Co-Investigators

: Dr. C. Ravichandra
Dr. B. Venkatachal
Dr. M. Kumar

Budget

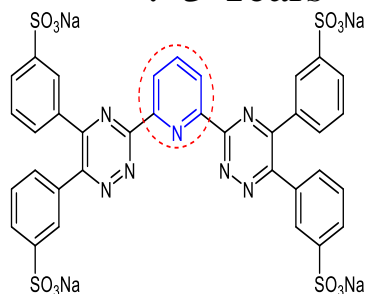
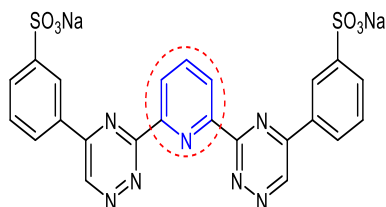
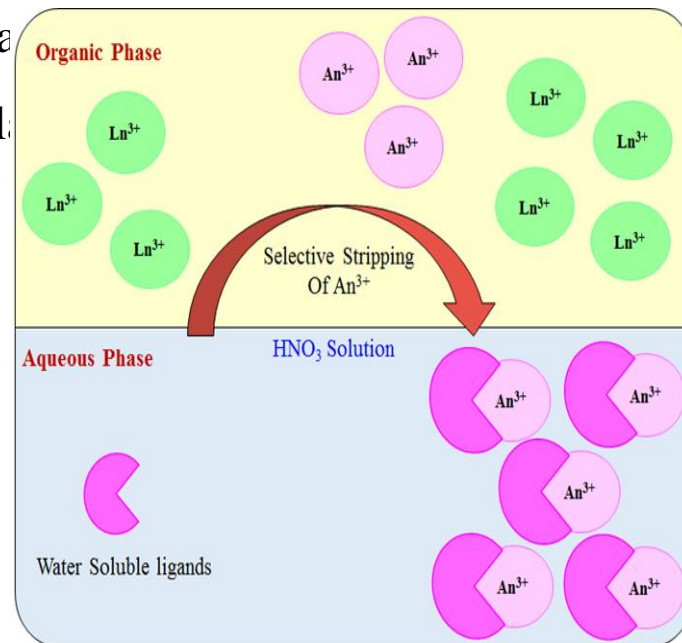
: **Rs. 37.93 Lakhs**

Funding Agency

: AERB

Duration of the project

: **3 Years**



Selective Extraction of Actinides from Lanthanides

Title of the Project : **User Friendly Functional Simulation Tool Development Through Experimental Validation for the Integration of PCM in Energy Efficient Buildings for Thermal Management**

Principal Investigator : Dr. V. Antony Aroul Raj

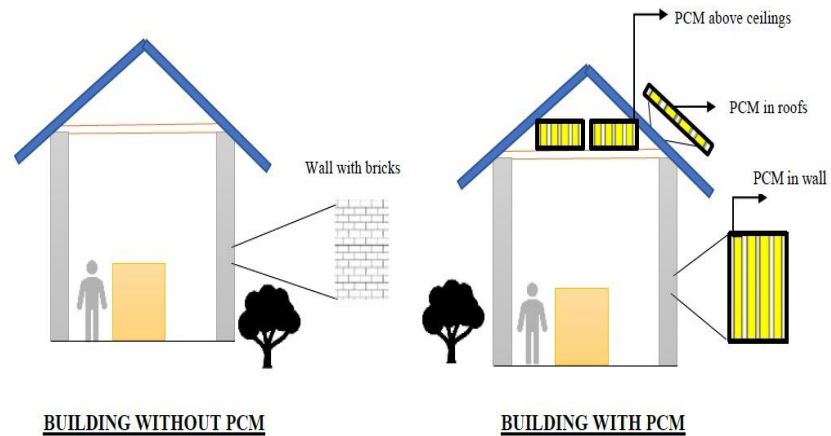
Co-Investigators : Dr. Lavanya Prabha

Funded sanctioned : **33**

Funding Agency : D

Duration of the project : 3

Schematic representation of the proposed buildings for experimentation



Title of the Project : **Project center for Technical Education- Innovation
Design center**

Name of the Co-ordinator : **Mr. P. Navaseelan**

Total amount sanctioned : **Rs.17.30 Lakhs**

Funding Agency : AICTE

Duration of the project : 3 Years

Title of the Project : **Centre for Skill Development for SC/ST Students**

Name of the Co-ordinator : **Dr. M. Neelamegam**

Total amount sanctioned : **Rs.17.80 Lakhs**

Funding Agency : AICTE

Duration of the project : 3 Years



Title of the Project: **Funds for Science and technology Infrastructure**

Name of the Co-ordinators : **Dr K. Kathiravan, Dr B. Venkatachalpathy,
Dr. M. Rajkumar**

Total amount sanctioned : **Rs.100.00 Lakhs**

Funding Agency : FIST

Duration of the project : 5 Years

