

List of Minor and Major Projects, both completed and ongoing (2011- 2016)

Minor Projects (2011-2016)

No.	Name of faculty & Department	Title of the project	Funding agency & period	Amount In lakhs	Status
1	Dr.Suja Mathai , (Chemistry)	Bio electrochemical tensile nanocomposite for orthopediac implants	UGC (2015)	5.00	Ongoing
2	Dr.Suju C Joseph (Chemistry)	Synthesis of libraries of Azacarbhydrate and piperidenes	UGC (2015)	5.00	Ongoing
3	Dr.Leenamma Joseph (Zoology)	Description of Reproductive function as a control strategy for O Longicollis, pest of banana using botanical bio pesticides.	UGC (2014)	1.5	Ongoing
4	Dr.K G Manju (Zoology)	Potential use of aquatic weeds in bioremediation and fodder synthesis	UGC (2011-14)	1.0	Completed
5	Dr.Varghese Abraham (Mathematics)	A Study on Independence Domination and Covering in Hyper Graphs and Set Valued Graph Labelling	UGC 2009-2011	1.00	Completed
6	Dr.Annie Abraham (Mathematics)	Study on the Visualization of a Group through Cayley Digraph	UGC 2010-12	0.95	Completed
7	Dr.Annie Abraham (Mathematics)	A study on harmonic function	UGC 2016-18	1.60	Ongoing

8	Dr.Mary George (Mathematics)	Fuzzy Congruence Relation on the Semigroup of Alternatives	UGC 2015-16	1.55	Ongoing
9	Dr.Victoria P.K (Botany)	Development of DNA barcode sequences for the accurate identification of widely used medicinal species of genus sida	UGC	1.50	Completed
10	Dr. Deepthy Alex (Botany)	Screening of microbes from exotic locales for laccase production. Studies on the enzyme and the application of immobilized laccase on dye degradation'	UGC (2016-18)	1.30	Ongoing
11	Shirley Stewart (English)	Evolution of Womanhood in the novels of Malayalam Women writers	UGC	1.05	Completed
12	Dr. Bindu Alex (Botany)	National Environmental Awareness Campaign	MoEF	1.0	Completed
13	Ms Reny Skaria (English)	An Indian Journey to Multiverse:Alterities,Exotics and Liminal Spaces in the selected works of Vandana Singh	UGC 2015	1.60	Ongoing
14	Ms Meenu Jose (English)	Twice Broken Selves of Dalit Women: A Study of the novels of M. Mukundan and P. Sivakami''	UGC	1.60	Ongoing
15	Ms Preethamol M K (English)	The Beauty and the Beast in the Language of Fiction- A Study on the Select Novels of Herta Muller.	UGC	1.0	Ongoing
16	Ms Rani Alex (English)	Scope of Developing a Self-Evaluation Tool for Assessment of the Language Competencies for	UGC	2.20	Ongoing

		Under Graduate Students.			
17	Ms Resmy Saly Koshy (English)	Nature Tales: an Ecocritical Study of Select Works of Children's Literature	UGC	2.1	Ongoing
18	Ms Divya Johnson (English)	Playing Second Fiddle: Feminism in the Life Writing of First Ladies	UGC	3.00	Completed
19	Mr Sanjeev S.R (Journalism)	A study on the role of media in issues of development and displacement: Focus on National Highway Development Programme of Kerala	UGC 2015	0.82	Ongoing

Major Research Projects (2011-2016)

No.	Name of faculty & Department	Title of the project	Funding agency & period	Amount In lakhs	Status
1	Dr.Mary George (Mathematics)	A study of matrix and bi-matrix games with fuzzy goals and fuzzy pay-offs	UGC	8.038	Ongoing
2	Dr.Sajith Kurian (Chemistry)	Perovskite solar cells for efficient water splitting	DST Fast Track 2016-19	30.00	Ongoing
3	Dr.Selwin Joseyphus (Chemistry)	Studies on Biomedical Applications of Schiff Base Metal Complexes and their Antitumor Activities	CSIR 2012-2015	20.00	Completed
4	Dr. I Hubert Joe (Physics)	Nonlinear Effects in Optical Fiber Grating for all Optical Applications	CSIR 2013	8.32	Completed
5	Dr. I Hubert Joe (Physics)	Growth and Vibrational Spectroscopic investigations of Nonlinear Optical	UGC 2009-12	9.74	Completed

		Materials			
6	Dr. I Hubert Joe, Dr. V S Jayakumar (Physics)	Design and Fabrication of Polymeric Electro-Optic Modulator for Space Technology Applications	ISRO (2008-11)	15 .0	Completed
7	Dr. I Hubert Joe (Physics)	Design, Growth, NLO Properties and Spectroscopic Studies of Nonlinear Optical Crystals	DRDO (2016)	41.0	Ongoing
8	Dr. Daizy Philip (Physics)	Plant mediated synthesis of environmentally benign metal nanoparticles.	KSCSTE (2012-15)	15.30	Completed
9	Dr. Jijimon K Thomas (Physics)	Development of BaMO ₃ and REBa ₂ MO ₆ (RE=Y, Sm, Gd, Yb, M=Nb and Sn) as nanoparticles for their applications as electronic materials, microwave dielectric materials and substrate materials for High T _c Superconductors	UGC (2009-12)	5.65	Completed
10	Dr. Jijimon K Thomas (Physics)	Study on the effect of addition of nano-particles of ceramic oxides on the critical current densities of YBa ₂ Cu ₃ O _{7-δ} superconducting thick films	KSCSTE (2010-13)	12.5	Completed
11	Dr. Jijimon K Thomas (Physics)	Development of high quality nanostructured infrared transparent ceramics- Yttria (Y ₂ O ₃), Yttrium Aluminium garnet (Y ₃ Al ₅ O ₁₂), Yttria-Magnesia (Y ₂ O ₃ -MgO) and Magnesium Aluminate Spinel (Mg ₂ Al ₂ O ₄) composites, by a modified combustion method for improved IR Windows and domes.	DST (2014-17)	28.8	Ongoing

12	Dr. Sam Solomon (Physics)	Development of Energy materials for SOFC applications.	KSCSTE	16.75	Ongoing
13	Dr.K.Joy (Physics)	Preparation of Terbium and Erbium doped nano particle Zirconium oxide thin films for photoluminescence applications by sol-gel method and their characterization ,	KSCSTE (2013)	7.75	Completed
14	Dr. K.Joy (Physics)	Development of metal doped nano crystalline ZrO ₂ thin films by sol-gel dip coating and RF magnetron sputtering method, for band gap tuning in optical and electronic devices.,	UGC (2009-12)	8.25	Completed
15	Dr. Jolly Jacob (Malayalam)	Relevance and Impact of Cultural Tourism: A study on Kerala	UGC (2009-11)	5.63	Completed
16	Dr. Jolly Jacob (Malayalam)	Impact of visual media on teenagers of the state	UGC	8.74	Ongoing
17	Dr. Georgee K I (Commerce)	Effectiveness of EDP ; a case study	UGC 2011	6.41	Completed
18	Dr. Georgee K I (Commerce)	Responsible Tourism: people's participation as the driving force	UGC 2015	6.74	Completed