



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A' Grade by NAAC. Recognised by UGC Under Section 12 B

Coimbatore - 641 043, Tamil Nadu, India

Research Projects Sponsored by Government Agencies

Title of the Project	Name of the Principal Investigator/ Co Investigator	Name of the funding agency	Year of Award	Duration of the project
Design and Development of Computer Assisitive Technology System for Diffrently Abled Students	Dr. P. Subashini	DST SERB	2013	4 years
Comparative study on the immunomodulatory and anticancer activities of flavonoids extracted from <i>Thespesia populnea</i> and <i>Tabernaemontana divaricata</i> leaves on EAC and DLA in mouse model	Dr.R.Shanthi (PI) Dr.S.Annapoorani (Scientist Mentor)	DST WOS-A	2014	3 years
A comparative study of osteoporotic ratio for the high prevalence of vitamin D deficiency between the sufficient and insufficient sunlight exposure of postmenopausal women	Mrs.S.Anitha (PI) Dr.S.Gayathri Devi (Scientist Mentor)	DST WOS-A	2014	3 years
Non conventional fiber- softening of fiber , A value added product- exploration of non conventional softening and standardization of extraction blending	Dr. N. Vasugi Raaja	UGC SAP	2014	5 years
Economic costs of domestic violence against women in selected rural and urban slum areas in Coimbatore district, Tamil Nadu.	Dr.K.T.Geetha and Dr.V.Malarvizhi	ICSSR	2015	2 years
Efficacy of thoppukaranam and yoga for the enhancement of cognitive abilities among learning disabled and normal girl students	Dr. S. Gayatridevi	DST	2015	3 years
Blood vessel segmentation by Fuzzy C Means Clustering	Dr.Judith Justin	United Nations Children's Fund	2015	3 years

Effect of value added millet flakes on weight management and stresslevel of selected obese women	Dr.R.Radha and Dr.K.Kalaiselvi	DST	2016	3 years
Biogenic synthesis of graphene nanoparticles and study on its antiproliferative potential against MCF-7 cell line	Dr.P.Lalitha	In-house	2016	1 year
Microwave assisted synthesis of pyrido(1,2-A) pyrimidine-4-ones	Dr. V. Sharulatha	In-house	2016	1 year
Creating awareness among the tribal women of Maruthamalai on the pharmacognostic properties of Rudraksha tree <i>ElaeacarpusSp</i>	Dr.K.S.Santhy and Dr.M.Poonkothai	In-house	2016	1 year
A Effective on personal authentication based on keystroke text and sound	Dr. G. Padmavathi and Dr. D.Shanmugapriya	In-house	2016	1 year
Medicinal plant cultivation through organic farming and isolation identification of phytochemical components	Dr.A.Vijayalakshmi and Dr.R.Karthiyayini	In-house	2016	1 year
Growth of vegetable crops using vermicompost	Dr.A.Vijayalakshmi and Dr.V.Gayathri	In-house	2016	1 year
Pharmacological response of herbal formulation in the management of acute lymphoblastic leukemia	Dr. R. Nirmaladevi	In-house	2016	1 year
Laccase mediated polymerization of ferulic acid and assessment of its antibiofilm activity	Dr.V. Bhuvaneshwari and Dr.M.Rajeswari	In-house	2016	1 year
Isolation and study of protease from fish waste and recommendation of its use in leather industry	Dr.Anitha Subash and Dr A. Shobana	In-house	2016	1 year
Evaluation of risk factors and biochemical changes in poly cystic ovarian syndrome women of Coimbatore population	Mrs. S. Velvizhi	In-house	2016	1 year
Nutrition communication on obesity associated vitamin D insufficiency among adolescent girls	Dr. Pa. Raajeswari and Dr. C.A. Kalpana	In-house	2016	1 year
Empowering rural women through skill based	Dr. R .Sunitha and Dr. U.	In-house	2016	1 year

training in printing and surface enrichment on textiles	Ratna			
Microwave-assisted extraction and dyeing of silk with natural dyes	Dr.K.Kalaiarasi and Dr.R.Prabha	In-house	2016	1 year
Analysis of heavy metal contamination in selected green leafy vegetables	Dr.R.Radha and Dr.V.Premala Priyadharshini	In-house	2016	1 year
Impact of climate change and agriculture with special reference to adoption of Information Communication Technology	Dr.C.Parvathi	In-house	2016	1 year
Gender stereotyping in visual cultural media and its impact on Indian women and young children	Dr.Sreeja Balakrishnan	In-house	2016	1 year
Nadaimurai vaazhvil payanpadum pala thurai kalaichorkal	Dr.S.Gurugnanambiga	In-house	2016	1 year
Credit guarantee fund trust scheme for micro and small enterprises - An evaluation	Dr. D. Vennila	In-house	2016	1 year
Relationship between personality and employability among higher education students	Dr. M. A. Vijaya	In-house	2016	1 year
Impact of environmental education on responsible environment behavior among higher education students	Dr. K. Ramya	In-house	2016	1 year
Efficacy of articulatory battery tool in identification of articulatory problems among children with special needs	Dr.K.Sampath Rani and Mrs.R.Shanthi	In-house	2016	1 year
Developing awareness for self defence among varsity girls	Dr. R. Saravana Prabha	In-house	2016	1 year
An efficient re-coloring method with information preserving for the color-blind	Mrs.R.Vaijyanthi, Dr.TKS.Lakshmi Priya and Dr.A.Arulmozhi	In-house	2016	1 year
Eyepad – A Dynamic Braille E-Book Reader with OCR	Ms. Kavitha	DST WOS-A	2017	3 years
An algorithm for the demarcation of ocean	Dr. P. Subashini	DRDO	2017	3 years

wakes from SAR imagery of rough sea condition				
Technology development for the support and improvement of speech-language impaired people	Dr. M. Krishnaveni	DST SERB	2017	4 years
Positive behavioural intervention and support for students at risk for disabilities	Dr.G.Victoria Naomi	ICSSR	2017	2 years
Performance study of an organic waste based biogas plant in the campus of Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	Dr.D.Sumathi	In-house	2017	1 year
Feasibility of a solar roof for interior lighting – A Green Initiative	Dr.V.Sarasvathy	In-house	2017	1 year
Enhancing life coping skills of selected geriatric men and women in Coimbatore	Mrs.N.Rekha	In-house	2017	1 year
Effect of sunlight – UV rays on the Vitamin D status of girls (18 to 22 years)	Dr.R.Balasasirekha	In-house	2017	1 year
Association between dietary intake and body composition among obese adolescent girls	Ms.K.Devi	In-house	2017	1 year
Natural dyes for printing on cotton and silk	Ms.K.Sangamithirai	In-house	2017	1 year
Psychological wellbeing among married adults	Dr.M.Priya and Dr.Ramya Bhaskar	In-house	2017	1 year
Evaluation of thrombolytic and antioxidant potential of selected medicinal plants	Dr.A.Pushpa	In-house	2017	1 year
Green synthesis of silver nanoparticles from Durien fruit (Durio zibenthinus) and its antimicrobial activity and antioxidant properties	Dr.T.Angayarkanni	In-house	2017	1 year
Cellulose acetate blend green membrane preparation and its analytical application	Dr. J. Thamarai selvi	In-house	2017	1 year
Utilisation of agricultural wastes- Sesame oil cake and pearl millet hulls for the synthesis of mesoporous silicates	Dr.A.Prithiba	In-house	2017	1 year
Metal Inorganic Frameworks Based on Nitrogen	Dr.M.Amutha Selvi	In-house	2017	1 year

Heterocycles: Synthesis and Characterization				
Evaluation of anti-diabetic properties of <i>Stevia rebaudiana bertonii</i> – <i>in vivo</i>	Dr.G.Maheswari	In-house	2017	1 year
Eco friendly production and purification of tannase obtained from <i>Aspergillus flavus</i>	Dr.M.K.Nisha and Dr.D.Leena Lavanya	In-house	2017	1 year
Influence of improved Nilsson parameter in single particle level scheme of rare earth nuclei	Dr.N.S.Rajeswari	In-house	2017	1 year
Spectroscopic investigations on polyphenols : Experimental and Theoretical study	Mrs.S.Anitha	In-house	2017	1 year
Effectiveness of cognitive behavior therapy in managing rumination and insomnia among adolescent	Dr.N.V.Amudhadevi	In-house	2017	1 year
Productivity and efficiency in the aggregate manufacturing sector of India in the post reform period	Dr.M.Manonmani	In-house	2017	1 year
Perception on demonization and usage of digital transaction among urban slum households in Coimbatore	Mrs.M.Shanthi	In-house	2017	1 year
Social Emotional Learning (SEL)in undergraduate English classrooms through select short stories of Ruskin Bond	Dr.Raichel M.Sylus	In-house	2017	1 year
Consumer Attitude and Adoption towards Digital Currency in Coimbatore	Mrs.A.Pankajam	In-house	2017	1 year
Knowledge management practices and training in Higher Education Institutions in Coimbatore	Dr.T.Amutha	In-house	2017	1 year
Impact of Entrepreneurial Counseling for selected group with Entrepreneurial Intention	Dr.J.Arthi	In-house	2017	1 year
Impact of financial on informed financial decision making among urban residents across income strata in Coimbatore	Ms.S.Rubeya	In-house	2017	1 year
Visitor impact management of Eravikulam National Park in the Western Ghats	Dr.V.T.Bindu and Mrs.V.Sivakami	In-house	2017	1 year

Assessment of civic sense of student teachers – A normative survey	Dr.N.Vasuki and Dr.H Indhu	In-house	2017	1 year
Stress management through poem composing among disabled students in inclusive and special schools	Dr.C.Karthik Deepa and Dr.P.Jeeva Shanthi	In-house	2017	1 year
Sign language interpretation for hearing impaired learners	Dr.V.Mrunalini and Mrs.K.Kalaivani	In-house	2017	1 year
Efficiency of functional vision assessment kit on visual efficiency training among children with low vision	Dr.S.Revathi	In-house	2017	1 year
Impact of yoga therapeutic and corrective exercises on selected postural deformities among school girls and creating awareness on health among student teachers	Dr.S.Akilandeswari, Dr.P.Vanithamani and Dr.M.Mary Glory Ponrani	In-house	2017	1 year
Prevalence of polycystic ovarian syndrome among selected women of reproductive age in Coimbatore	Mrs.Poornima Andal	In-house	2017	1 year
Early diagnosis of diabetes using iris image	Mrs.J.Revathi and Mrs.D.Diana	In-house	2017	1 year
Smartphone based health monitoring system	Dr.P.Amudha and Dr.S.Sivakumari	In-house	2017	1 year
Radiation shielding geopolymers concrete with M sand and basalt aggregate	Ms.P.T.Ayswariya Lakshmi	In-house	2017	1 year
Kitchen automation system	Dr.R.Brindha and Dr.B.Sargunam	In-house	2017	1 year
Minimal processing techniques for green leafy vegetables (GLVS) prevents the malnutrition accounts among villagers in India at cheaper cost	Dr.M.Shakila Banu, Mrs.A.Reni and Mrs.R.Sinthiya	In-house	2017	1 year
Enhancing the surface property of handmade recycle paper by polymeric additives	Mrs.B.Srividya and Mrs.N.Alagusundari	In-house	2017	1 year
Evaluation of corrosivity of Jatropha curcas	Dr.S.Malarvizhi	In-house	2017	1 year

biodiesel and its blends on magnesium				
Mathematical analysis of batch arrival retrieval queue with customer impatience, second multi-optional repair, feedback and orbital search	Dr.D.Sumitha	In-house	2017	1 year
Validating the diabetic wound-healing activity of Jatyadi Thailam using an in vitro Reverse Pharmacology approach	Dr.P.R.Padma	Ministry of AYUSH	2018	2 years
Exploitation of bananas for therapeutic uses: Evaluation of pseudostem and corm extracts of banana germplasm for their anti-lithiatic potential (dissolution of kidney stones) and isolation, characterization and green synthesis of its bioactive components	Dr.R.Nirmaladevi	DBT, Twinning Programme 2017-18	2018	3 years
Teaching functional English through folk tales for rural children	Dr.N.Vasuki	NCERT	2018	2 years
Leverrages the use of assistive technology to enhance literacy skills in children with learning disabilities	Dr.T.Geetha	NCERT	2018	1 year
Access and utilisation of pradhan mantri fasal bima yojana (PMFBY) scheme- A micro level study among farm strata in the selected districts of Tamil Nadu	Dr.P.Santhi	ICSSR	2018	1 Year
Enhancement of Encryption Algorithm to Mitigate Security Risks in Multi-Tenancy Cloud computing	Dr.C.Meena	ICSSR	2018	1 Year