

THE GANDHIGRAM RURAL INSTITUTE – DEEMED UNIVERSITY
Ph.D. Science Programme
Area of Specialization of Research Supervisors
(for JANUARY - 2017 session)

Professor – 8, Associate Professor – 6, Assistant Professor – 4
(including of JRF and Project fellows)

FACULTY OF RURAL ORIENTED SCIENCES - DEPT. OF MATHEMATICS			
1	Dr.P.Balasubramaniam Professor (on other duty)	1. Control Theory/ Differential Equations 2. Fuzzy / Neural Network 3. Stochastic Differential Equations	5
2	Dr.R.Uthayakumar Professor & Head	1. Operations Research (Inventory Management & Control) 2. Fractal Analysis-Mathematical Modelling 3. Functional Analysis	NIL
3	Dr.G.Mahadevan Asst. Professor	Mathematics	NIL
4	Dr.P.Muthukumar Asst. Professor	1. Control Theory 2. Differential Equations	NIL
5	Dr.R.Rajkumar Asst. Professor	1. Coding Theory 2. Graph Theory	NIL
6	Dr.G.Nagamani Asst. Professor	1.Passivity analysis 2. Neural Networks 3.Stochastic differential equations and control theory	2
DEPARTMENT OF PHYSICS			
7	Dr.G.Muralidharan Professor	1.Spectroscopy/ 2.Solid State Physics 3.Instrumentation	2
8	Dr.K.Jayakumar Professor	1.Semiconductor Nano Structure 2.Conducting Polymers 3.Photovoltaics	6
9	Dr.P.Subramanian Professor	1.Solid State Physics 2.Electronics 3.Astronomy	1

10	Dr.M.Sivaraman Professor & Head	1. Plasma Physics 2. Spectroscopy 3. Thin Film Devices	8
11	Dr.P.Vickraman Professor	1. Ultrasonics; Medical Physics 2. Polymer Physics 3. Ground water studies	3
12	Dr.S.Arumugam Professor	1.Solar(Thermal) Energy Physics – Saltgradient Solar Pond Technology 2.Solar Photovoltaic (studies) Cells 3.Solar Selective Paint Coatings (Thin film)	2
13	Dr.S.Aripnammal Professor	1. High Pressure Physics 2. Solid State Physics 3. Spectroscopy	7
14	Dr.K.Marimuthu Asst. Professor	Solid State Physics	Nil
15	Dr.P.Nithiananthi Asst. Professor	Semi Conductor Nano Structure	Nil

DEPARTMENT OF CHEMISTRY			
16	Dr.M.Sundaravadivelu Prof. & Dean	1. Synthetic Organic Chemistry 2. Conformational Analysis 3. Organic Corrosion Inhibitors 4. Organic Chemistry	5
17	Dr.M.G.Sethuraman Professor	1. Natural Products Chemistry 2. Surface coating formulations 3. Green inhibitor 4. Corrosion Studies	2
18	Dr.S.Meenakshi Professor & Head	1. Environmental Chemistry 2. Applied Chemistry 3. Polymer Chemistry 4. Water Treatment methods	2
19	Dr.S.Ramesh Professor	1. Charge-transfer interaction 2. Corrosion Studies 3. Kinetics of Amino Acid Oxidation	5

20	Dr.P.Anitha Pius Professor	1. Applied Chemistry 2. Environmental Chemistry 3. Polymer Chemistry	1
21	Dr.K.P.Elango Professor	1. Chemical Kinetics 2. Photochemistry of Co(III) Complexes 3. Charge-Transfer Complexes	2
22	Dr.S.Abraham John Professor	1. Electrochemistry 2. Chemically Modified Electrodes 3. Nano Particles 4. Electro Chemical Sensors	NIL
23	Dr.K.K.Satheeshkumar Asst. Professor	Chemistry	NIL
24	Dr.P.Kalimuthu Asst. Professor	1. Porphyrin Chemistry 2. Dye Sensitized Solar Cells 3. Quantum Chemical Computations	NIL
25	Dr. M.Seenivasa Perumal Asst. Professor	1. Heterocyclic Chemistry 2. Medicinal Chemistry 3. Asymmetric synthesis	2
26	Dr.M.Arunachalam Asst. Professor	Chemistry	2
DEPARTMENT OF HOME SCIENCE			
27	Dr.K.S.Pushpa Professor	1. Home Science Extension 2. Women and Development 3. Rural Development Programmes	5
28	Dr.R.I.Sathya Professor & Head	Home Science (Textiles and clothing, Home Science and allied disciplines)	2
29	Dr.S.S.Vijayanchali Asst. Professor	Food and Nutrition	NIL
30	Dr.A.Thahira Banu Asst. Professor	1.Home Science 2.Food Science & Nutrition 3. Food Service Management & Dietetics	NIL
31	Dr.R.Sahul Hameed Asst. Professor	1. Home Science 2. Food Science	NIL

DEPARTMENT OF BIOLOGY			
32	Dr.R.Kumuthakalavalli Professor	1. Mushroom Culture 2. Ethnobotany & Ecosystematics 3. Botanicals as Pesticides 4. Mushroom Biotechnology 5. Environmental Biotechnology 6. Biopesticides	5
33	Dr.A.David Ravindran Professor	1. Biological Nitrogen Fixation 2. Organic Farming 3. Waste Recycling	NIL
34	Dr.M.R.Rajan Professor & Head	1. Aquaculture 2. Environment 3. Biotechniques	3
35	Dr.P.U.Mahalingam Asso. Professor	1. Microbiology and allied fields 2. Microbial Technology 3. Waste recycling 4. Composting 5. Biofertilizers and organic farming	NIL
36	Dr.R.Ramasubbu Asst. Professor	Botany	NIL
DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS			
37	Dr.K.Somasundaram Professor	1. Image Compression/Processing 2. Data Compression 3. Multimedia 4. Computational Physics	7
38	Dr.P.Shanmugavadivu Professor & Head	1. Computer Applications 2. Image Processing	3
39	Dr.P.Kalavathi Asso.Professor	Computer Science and its Applications	1
40	Dr.M.Mary Shanthi Rani Asst. Professor	Computer Science	NIL
41	Dr.T.Kalaiselvi Asst. Professor	1. Digital Image Processing 2. Medical Image Processing	NIL
42	Dr.S.Sivagurunathan Asst. Professor	1. Computer Networks 2. Network Security	1
43	Dr.N.Senthilkumaran Asst. Professor	1.Computer Science	2

FACULTY OF AGRICULTURE AND ANIMAL HUSBANDRY			
44	Dr.T.T.Ranganathan Professor	1. Agricultural Extension 2. Sustainable Agriculture 3. Forestry and Wastelands Development	4
45	Dr.R.Udhayakumar Professor	1. Farm Power & Machinery 2. Post Harvest Technology 3. Cost Effective Building Technology	6
46	Dr.T.Senthivel Professor	1. Soil and crop management 2. Dry Farming 3. Weed Management	Nil
47	Dr.S.Ganesh Professor & Dean	1.Pomology, Olericulture, Floriculture 2.Medicinal aromatic plants 3.Spices, Condiments & Pl. crops	3
48	Dr.M.Seethalakshmi Professor	1. Women and Dairying 2. Dairy Science/ Quality Control	3
49	Dr.G.S.Kannan Professor	1. Mycology and Plant Pathology 2. Plant Pathology 3. Agricultural Entomology	3
50	Dr.M.Sundaramari Professor	1. Indigenous Agricultural knowledge 2. Agricultural Extension 3. Communication and Adoption Studies	4
51	Dr.A.Ramanathan, Professor	Animal Husbandry	3

CENTRE FOR FUTURES STUDIES

52	Dr.T.Selvin Jebaraj Norman Professor & Coordinator	1. Agriculture 2. Environment 3. Future Studies	4
CENTRE FOR APPLIED GEOLOGY			
53	Dr.B.Gurugnanam Professor & Director i/c	Applied Geology	1
54	Dr.S.Arivazhagan Asst. Professor	Infrared analysis, Remote Geochemical analysis & Geological Remote Sensing	4
RURAL ENERGY CENTRE			
55	Dr.V.Kirubakaran Asst. Professor	1. Energy Engineering 2. Gasification 3. Thermal Analysis	NIL
RURAL TECHNOLOGY CENTRE			
56	Dr.K.Mahendran Professor & Director i/c	1. Civil Engineering	1
FACULTY OF RURAL HEALTH AND SANITATION			
57	Dr.G.Dhanasekaran Associate Professor	1. Health Education 2. Sociology of Health 3. Community Health	3

