



MAHATMA GANDHI UNIVERSITY

(Abstract)

Ph.D Programme – 2018 & 2019 Admission – Course Work Examination – 2020 – Syllabus of Course (III) –
Approved – Orders Issued

ACADEMIC AII SECTION

U O No. 783/4/2020/Academic/AII

Dated, Priyadarsini Hills, 16.07.2020

Read:- 1. Revised Regulations for Ph.D Registration and Award of the Degree of Doctor of Philosophy
2016

2. U.O. No. 4748/AC A2/2019/MGU dated 09.10.2019
3. U.O No. 6675/AC A2/2019/MGU dated 26.12.2019
4. U.O No. 5638/Ac A2/2019/MGU dated 13.11.2019
5. U.O No. 6655/AC A2/2019/MGU dated 24.12.2019
6. U.O No. 6040/AC A2/2019/MGU dated 28.11.2019
7. U.O No. 1808/4/2019/Academic/AII dated 06.06.2019
8. U.O No. 3288/AC A2/2019/MGU dated 16.07.2019
9. U.O No. 1048/AC A2/2020/MGU dated 24.02.2020
10. U.O No. 6750/AC A2/2019/MGU dated 30.12.2019

ORDER

Head of School of Computer Sciences and Head of various approved research centres have forwarded the syllabus of Ph D Course Work Paper III Syllabus prepared by the respective Supervising Teachers in respect of the below mentioned Scholars, who have been granted registration for research in the Discipline of Computer Science, Mathematics, Botany, Microbiology and Biochemistry, vide U.O cited (2) to (10) above.

Sl. No	Name of the Research Scholars	Discipline	Name of supervising teacher	Name of research centre	Title of research work
1	Bilal Sultan Abdu Alwahab Abdu Algalil	Computer Science	Dr.Sojan Abraham	School of Computer Sciences	Efficient Machine Learning Algorithms for Knowledge Discovery in Big data
2	Greeshma M S	Computer Science	Dr.Bindu V R	School of Computer Sciences	Novel and Efficient Real-time algorithms for super resolution in Hypermedia
3	Senu Jerome	Computer Science	Dr.Anuj Mohamed	School of Computer Sciences	NOVEL AND EFFICIENT ALGORITHMS FOR TEXT EXTRACTION FROM IMAGES

4	Krishna Presannakumar	Computer Science	Dr.Anuj Mohamed	School of Computer Sciences	Novel and Efficient Algorithms for Pattern Classification
5	Jineesh Thomas	Mathematics	Dr.Madhavan Namboothiri N M	Maharaja's College, Ernakulam	Some problems related to frames and Approximations in Hilbert spaces
6	Sudina C S	Mathematics	Dr.Pramod P K	Maharaja's College, Ernakulam	STOCHASTIC PROCESSES AND ITS APPLICATIONS IN BIOMEIDICAL SYSTEMS
7	Remya Radhakrishnan	Mathematics	Dr.Pramod P K	Maharaja's College, Ernakulam	DISCRETE AND CONTINUES TIME STOCHASTIC MODELS
8	Remya C R	Mathematics	Dr.Shine C Mathew	S B College, Changanacherry	A STUDY ON GRADED ALGEBRAIC STRUCTURES
9	Khamis Abdullah Khamis Al Maqbali	Mathematics	Dr. Varghese C Joshua	CMS College, Kottayam	A Computational Study on Asymptotical Analysis of Queueing Inventory Models using Special Functions
10	Mitha P M	Mathematics	Dr. Varghese Jacob	CMS College, Kottayam	Investigation on some Queueing Inventory Models
11	Jayasree Thomas	Mathematics	Dr.Antony Mathews	S B College, Changanacherry	A Study on the Axiomatic characterizatons of the Location Functions on Graphs
12	Treesa Maria Kuriakose	Mathematics	Dr.Antony Mathews	S B College, Changanacherry	A study on the Axiomatic characterizations of Path transit functions on some classes of graphs
13	Preethi K Pillai	Mathematics	Dr.J Sureshkumar	NSS Hindu College, Changanacherry	A STUDY ON GRAPH COLORINGS AND RELATED TOPICS

14	Resmi G Nair	Mathematics	Dr.Madhavan Namboothiri N M	St.Thomas College, Pala	Some problems relating order and intuitionistic Fuzzy Topology
15	Gisha Saraswathy	Mathematics	Dr.Satheesh E N	NSS Hindu College, Changancherry	A STUDY ON NETWORK GRAPH THEORY AND RELATED TOPICS
16	Jeema Jose	Mathematics	Dr.K V Thomas	Bharat Mata College, Thrikkakara	FUZZY AND NEUTROSOPHIC MULTISETS AND THEIR APPLICATIONS
17	Merlin Mary Abraham	Mathematics	Dr.Susha D	Catholicate College, Pathanamthitta	ALGEBRAIC AND GRAPH THEORETICAL ASPECTS OF NEURAL NETWORKS
18	Murali T K	Mathematics	Dr.Pramod P K	Maharaja's College, Ernakulam	A STUDY OF MARKOV PROCESSES IN PROBABILISTIC METRIC SPACES
19	Pravitha K Nair	Mathematics	Dr.Sabu M C	St.Albert's College, Ernakulam	SOLUTIONS OF RELATIVISTIC SUPER DENSE STAR MODELS AND ITS STABILITY ANALYSIS
20	Rani Jose	Mathematics	Dr.Susha D	Catholicate College, Pathanamthitta	Some Problems in Algebraic Graph Theory
21	Sarika M Nair	Mathematics	Dr.J Sureshkumar	NSS Hindu College, Changancherry	ANALYTIC GRAPH THEORY
22	Sebina Mathew C	Mathematics	Dr.Satheesh E N	NSS Hindu College, Changancherry	A Study on spectral graph and its various properties of spectral parameters
23	Sijo P George	Mathematics	Dr.Lovelymol Sebastian	St.Thomas College, Pala	Domination related problems in Hypergraphs

24	Susan George	Mathematics	Dr.Susha D	Catholicate College, Pathanamthitta	SOME NEW TECHNIQUES FOR SOLVING DIFFERENTIAL EQUATIONS OF ARBITRARY ORDER AND ITS APPLICATIONS
25	Bincy C J	Mathematics	Dr.K V Thomas	Bharat Mata College, Thrikkakara	A Study on Laplacian Spectrum of Graphs
26	Maria Poullose	Mathematics	Dr.Pramod P K	Maharaja's College, Ernakulam	SOME PROBLEMS ON RANDOM FRACTALS IN PROBABILISTIC METRIC SPACE
27	Abhaya G S	Botany	Dr. Krishnakumar K	Maharaja's College, Ernakulam	Molecular and biochemical profiling of traditional rice varieties of Kerala
28	Akhila George	Botany	Dr.Elsam Joseph	St.Teresa's College, Ernakulam	Phytochemical screening and Nutraceutical potentials of selected species of <i>Citrus</i> of Kerala
29	Anakha Manoj	Botany	Dr.Hari N	CMS College, Kottayam	Anatomical profiling Biochemical analysis and DNA-barcoding of Selected Jasmimum species in Kerala
30	Asha A	Botany	Dr.Baiju E C	SNM College, Maliankara	Bioprotective properties of <i>Blepharistemma serratum</i> (Dennst) Suresh
31	Athira R K Nair	Botany	Dr.Elsam Joseph	St.Teresa's College, Ernakulam	Phytochemical characterization and bioprospecting of <i>Medinilla Beddomei</i> C L.
32	Blessy Mathew	Botany	Dr.Francis Mathew	SB College, Changanacherry	Natural Biorganic Compound and its effectiveness in wood preservation

33	Cynthia Mitchell Dias	Botany	Dr.Elsam Joseph	St.Teresa's College, Ernakulam	Phycosynthesis of Silver nanoparticles using selected species of phaeophyceae and its pharmaceutical potential
34	Deepa Mary Joseph	Botany	Dr.Mathews T Thelly	Mar Thoma College, Thiruvalla	STRESS TOLERANCE IN BRUGUIERA GYMNORHIZA (L.) LAM. (TRUE MANGROVE) AND ANONA GLABRA L. (MANGROVE ASSOCIATE)
35	Dhanya D S	Botany	Dr.Bince Mani	St.Thomas College, Pala	Micropropagation and Elicitation of Secondary Metabolites in Selected species <i>Nervilia</i>
36	Glaxy Ezekel V	Botany	Dr.Romilly Margaret Mendez	St.Teresa's College, Ernakulam	Isolation and characterization of Bacteria from plastic polluted water samples of Ernakulam District
37	Jayasree S	Botany	Dr.Sincy Joseph	Maharaja's College, Ernakulam	BLUE GREEN ALGAE WITH PHYCOREMEDIATION POTENTIAL IN ELOOR AREA OF PERIYAR RIVER, KERALA
38	Jesty Susan Joy	Botany	Dr.Baiju E C	SNM College, Maliankara	Micropropagation of <i>Strophanthus wightianus</i> Wall.Exe, Wight
39	Joycy Varghese V	Botany	Dr.Elsam Joseph	St.Teresa's College, Ernakulam	Bioprospecting of selected varieties of <i>Colocasia</i> <i>esculenta</i> (L.) schott
40	Meril Sara Kurian	Botany	Dr. C M Sreejith	SNM College, Maliankara	Phytochemical and Bioactivity studies of the ten ethno medicinal plants of Kerala

41	Nadeshda K S	Botany	Dr.C M Sreejith	SNM College, Maliankara	Bioprospection of Phytoecdysteroids from Kerala flora and their biological effects in aquaculture
42	Priya Reghunath	Botany	Dr.Jomy Augustine	St.Thomas College, Pala	Revision of the family scrophulariaceae in Kerala
43	Roselet P Cherian	Botany	Dr.Toji Thomas	St.Thomas College, Pala	Characterization of Larvicidal principle from potential species of Araceae
44	Santhikrishna V	Botany	Dr.Anilkumar K K	Mar Thoma College, Thiruvalla	Phenol contamination and microbial flora of industrially polluted soils in Kottayam district
45	Shahina Sherif	Botany	Dr.Anilkumar K K	Mar Thoma College, Thiruvalla	Soil microflora of <i>Oryza sativa</i> L. in stressed environmental conditions
46	Sharon Stephen	Botany	Dr.Toji Thomas	St.Thomas College, Pala	Green Synthesis of Silver and Zinc Nanoparticles using selected species of Acanthace
47	Smitha Thomas	Botany	Dr.Lizzy Mathew	St.Teresa's College, Ernakulam	Plant Growth Promoting Rhizobacteria of selected vegetables in Kerala and its Molecular characterization
48	Sreelekshmi Rajesh	Botany	Dr.M Anilkumar	Union Christian College, Aluva	MOLECULAR STUDIES OF ENDOPHYTIC MICROFLORA ASSOCIATED WITH ECLIPTA PROSTRATA (L.) L.
49	Sruthy Elsa Shibu	Botany	Dr.Baiju E C	SNM College, Maliankara	Phytochemical and pharmacological investigations on selected filamentous green algae of Kerala

50	Vani S	Botany	Dr.Bince Mani	St.Thomas College, Pala	Bioactivity studies and Micropropagation of <i>Hedychium venustum</i> Wight
51	Yamuna M S	Botany	Dr.Thara K Simon	Union Christian College, Aluva	PHYTOCHEMICAL AND ANATOMICAL CHARACTERIZATION OF FIBRES FROM SELECTED PLANTS OF KERALA
52	Divya K S	Botany	Dr.Jomy Augustine	St.Thomas College, Pala	Molecular Phylogeny of the Genus <i>Ophiorrhiza</i> L. (Rubiaceae) of Southern Western Ghats, India
53	Suparna V Ajith	Botany	Dr.T Meenakumari	Rubber Research Institute of India, Rubber Board, Kottayam	Marker assisted selection for high yielding genotypes of <i>H.brasiliensis</i> Mull.Arg.suitable for abiotic stress prone regions of India
54	Aswathy C S	Botany	Dr.C Bindu Roy	Rubber Research Institute of India, Rubber Board, Kottayam	Discovery, functional characterisation and epigenetic landscaping of potential genes associated with biotic stress response in rubber (<i>Hevea brasiliensis</i>)
55	Limiya Joseph	Botany	Dr.C Bindu Roy	Rubber Research Institute of India, Rubber Board, Kottayam	Development of Single Nucleotide Polymorphism markers through next generation sequencing and their application in disease resistance breeding in rubber (<i>Hevea brasiliensis</i>)

56	Shilpa Babu	Botany	Dr.Shaji Philip	Rubber Research Institute of India, Rubber Board, Kottayam	Hevea – Phytophthora interaction with special reference to host range, virulence, anatomical biochemical and molecular characteristics for the development of sustainable disease management strategies
57	Soumyamol V B	Botany	Dr. C Bindu Roy	Rubber Research Institute of India, Rubber Board, Kottayam	Endosymbionts associated with rubber trees (<i>Hevea brasiliensis</i>) possessing antagonistic activity against <i>Colletotrichum</i> spp.causing <i>Colletotrichum</i> leaf disease in rubber
58	Anjali K N	Microbiology	Dr. K Sudha & Dr.Sumy Mary George (Co-guide)	Sree Sankara College, Kalady	Genetic diversity and distribution of extended spectrum β - lactamases (ESBLs) producing strains among Shiga-Toxigenic pathotypes of <u><i>Escherichia coli</i></u>
59	Maya Mathew	Biochemistry	Dr.Sandhya C	Sree Sankara College, Kalady	Prevalence of antimicrobial resistance (AMR) in wildlife
60	Sheethal S	Biochemistry	Dr.Ratheesh M	St.Thomas College, Pala	EFFECT OF GLUTATHIONE ENRICHED HERBAL FORMULATION ON EXPERIMENTAL DIABETIC MODEL: POSSIBLE ROLE IN AGE ASSOCIATED PATHOGENESIS

The Research Director has examined the Syllabus and recommended for approval

The Vice Chancellor has, therefore, granted approval for the Ph.D Course Work Paper III syllabus of the above said Research Scholars.

Orders are issued accordingly

Sd/-
SURESHBABU K
Assistant Registrar IV (Acad)
For Registrar

Copy to:

1. The Head of the Research Centres
2. The Director of Research.
3. EB X
4. The Content Management Section
5. Stock File/File Copy.

(File No. Ac AII/4/Course work Paper III Syllabus/2019)

Forwarded/By Order



Section Officer

48