

(केंद्रीय विश्वविद्यालय / A Central University) सूर्यमणिनगर / Suryamaninagar-799022 त्रिपुरा, भारत / Tripura, India.



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Date: 23.03.2020

No.F. TU/Dean (Science)/BFS/10/16

Proceedings of the 10th Meeting of Board of Faculty of Studies of Science was held on 19.02.2020 at 2.00PM in the Council Hall of Administrative Building, Tripura University.

1	emb	pers Present:	
	1.	Prof. R.K. Nath, Department of Chemistry, T.U.	-Member
	2.	Prof. R.K. Sinha, Department of Botany, T.U.	-Member
	3.	Prof. B.K. Datta, Department of Botany, T.U.	-Member
	4.	Prof. A.K. Saha, Department of Botany, T.U.	-Member
	5.	Prof. D. Bhattacharjee, Department of Physics, T.U.	-Member
	6.	Prof. S. K. Sil, Department of Human Physiology, T.U.	-Member
	7.	Prof. P.S. Chaudhuri, Department of Zoology, T.U.	-Member
	8.	Prof. B.C. Tripathy, Department of Mathematics, T.U.	-Member
	9.	Prof. S. Chattopadhyaya, Department of Physics, T.U.	-Member
	10.	Dr. Y.V. Krishnaiah, Department of Geography & Disaster Management, T.U.	-Member
	11.	Dr. Mousami Debbarma, Department of Geography & D.M, T.U.	-Member
	12.	Dr. Surajit Bhattacharjee, Department of Molecular Biology & Bioinformatics, T.U.	-Member
	13.	Dr. Shaon Ray Chaudhuri, Department of Microbiology, T.U.	-Member
	14.	Dr. B.K. Sharma, Department of Microbiology, T.U.	-Member
	15.	Dr. Dipayan Choudhuri, Department of Human Physiology, T.U.	-Member
	16.	Dr. Sudipta Pal, Department of Human Physiology, T.U.	-Member
	17.	Dr. Utpal Ch. De, Department of Chemistry, T.U.	-Member
	18.	Dr. Bimal Debnath, Department of Forestry & Biodiversity, T.U.	-Member
	19.	Dr. Sabyasachi Dasgupta, Department of Forestry & Biodiversity, T.U.	-Member
	20.	Dr. Shyamal Debnath, Department of Mathematics, T.U.	-Member
	21.	Dr. Surochita Basu, Department of Botany, T.U.	-Member
	22.	Dr. Shiv Shankar Singh, Department of Zoology, T.U.	-Member
	23.	Dr. R.K. Mahapatra, Department of Library & Information Science, T.U.	-Member
	24.	Dr. Mrinal Kanti Bhowmik, Department of Computer Science & Engineering, T.U.	-Member
	25.	Dr. Swanirbhar Majumder, Department of Information Technology, T.U.	-Member
	26.	Dr. Alak Roy, Department of Information Technology, T.U.	-Member
	27.	Dr. Sachin Bhaladhare, Department of Chemical and Polymer Engineering, T.U.	-Member
	28.	Dr. P. Karuna Purnapa Rupa, Department of Material Science & Engineering, T.U.	-Member
	29.	Dr. Anirban Karmakar, Department of ECE, T.U.	-Member
	30.	Dr. Bishanka Bhowmik, Department of ECE, T.U.	-Member
	31.	Dr. Ashutosh Kumar, Department of Microbiology, T.U.	-Member
		Mithu Anjali Gayn, Department of Library & Information Science, T.U.	-Member
		Rajat Ghosh, Department of Pharmacy, T.U.	-Member
	34.	Sangita Das Biswas, Department of Electrical Engineering, T.U.	-Member
	35.	Prof. S. Banik, Dean, Faculty of Science, T.U.	-Chairman

Agendum 1/10/20 To confirm the Proceedings of the 9th Meeting of Board of Faculty of

Studies for Science held on 03.05.2019.

Resolution: Confirmed.

Agendum 2/10/20 To report the action taken on the Proceedings of the 9th Meeting of Board of

Faculty of Studies for Science held on 03.05.2019.

Resolution: Reported.

Agendum 3/10/20 To consider the following names of Students to be enrolled for Ph.D.

Registration under the Faculty of Science.

Sl. No	Name of the Scholar	Departme nt	Title of Ph. D. Thesis	Supervisor	Date of Registra tion	Ph.D. Mode	Categ	Male/ Female	Ph.D Rule
1.	1. Tethi Microbio logy		Development of tailor-made consortia for efficient effluent treatment.	Dr. Shaon Ray Chaudhur i, T.U.	18.12. 2018	Full time	UR	Female	2016
2.	Gogoi logy M Pr E T R		Development of Microbial Prototype for Effluent Treatment and Reuse in Dairy and Aquaculture Industry.	Dr. Shaon Ray Chaudhur i, T.U.	05.11. 2019	Full time	OBC	Female	2016
3.	3. Ankurita Microbio logy		Understanding Biofilm Mechanisms and Development of Antibiofilm Strategies.	Dr. Ashwini Chauhan, T.U.	11.12. 2019	Full time	SC	Female	2016
4.	Alpana Baidya	Chemistry	Photo-Physical Characteristics of Different Liquid Crystals and other Organic	Prof. R.K. Nath, T.U.	10.05. 2019	Full time	UR	Female	2016
			the Restricted Geometry of Thin Film.					*	
5.	Abhijit Rudra Paul	Chemistry	Studies on the Synthesis and Characterization of Novel Coumarin and Some other Heterocycle Derived	Prof. S. Majumda r, T.U.	15.07. 2019	Full time	OBC	Male	2016

			Compounds.						
6.	Kshetrimay um Renubebeta Devi	Mathema tics	On Relative Uniform Convergence of Double Sequences of Positive Linear Functions.	Prof. B.C. Tripathy, T.U.	23.12. 2019	Full time	UR	Female	201
7.	Anjalu Albis Basumatar y	Mathema tics	Studies on Preopen Sets in Biminimal Structure Spaces.	Prof. B.C. Tripathy, T.U.	23.12. 2019	Part time	ST	Male	201
8.	Amaresh Debnath	Mathema tics	Study of some Convergence concepts on multiset of real numbers.	Dr. Shyamal Debnath, T.U.	23.12. 2019	Part time	OBC	Male	201
9.	Tandra Sarkar	Mathema tics	A Study on Intuitionistic Fuzzy Set Based Hybrid Approach on Image Processing.	Dr. S. Bhattacha rya (Halder), T.U.	23.12. 2019	Part	OBC	Female	201
10.	Ajoy Barman	Geograp hy & D.M.	A Geographical Perspective on the School Dropouts among the Scheduled Castes and Scheduled Tribes in the Dooar Region of West Bengal.	Dr. Mousami Debbarm a, T.U.	20.12.	Full	SC	Male	201
11.	Sajal Ghosh	Geograp hy & D.M.	Road Infrastructure and Traffic Characteristics of Kolkata Municipal Corporation Area: A Geospatial Analysis.	Dr. Eshita Boral, T.U.	20.12.	Full	OBC	Male	2016
12.	James Dev Verma	Geograp hy & D.M.	Socio-Economic Status of Cycle Rickshaw Pullers in Agartala Municipal Corporation	Dr. Mousami Debbarm a, T.U.	20.12. 2019	Part time	ST	Male	2016

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			Area: A Geographical Appraisal.				27		
13.	Atoshi Chakma	Geograp hy & D.M.	Impact of Urbanisation on Water quality of Agartala City, Tripura.	Dr. Y.V. Krishnaia h, T.U.	20.12. 2019	Part time	ST	Femal e	2016
14.	Kausik Panja	Geograp hy & D.M.	Land Use Change, Cropping Pattern and Food Security in West Tripura District, Tripura.	Dr. Y.V. Krishnaia h, T.U.	20.12. 2019	Full time	UR	Male	2016
15.	Debasish Kundu	Geograp hy & D.M.	Role of Metro Railway in Mass Transportation Scenario of Kolkata Metropolitan Area.	Dr. Eshita Boral, T.U.	20.12. 2019	Part time	UR	Male	2016

Resolution: Approved.

Agendum 4/10/20 To consider and recommend the following names of research scholars outside expert, E-expert, List of Adjudicators under the Faculty of Science.

Sl. No	Name of the Scholar	Department	Title of Ph. D. Thesis	Supervisor	Names of outside expert, E-expert, List of Adjudicators
1.	Kripamoy Chakraborty	Botany	Study of arbuscular mycorrhizal fungi and phosphate solubilizing bacteria associated with Hevea brasiliensis (Wild. ex A. Juss.) Mull. Arg. In Tripura, Northeast India.	Dr. Panna Das, T.U.	Details in the file.
2.	Sanjit Debnath	Botany	Studies on nutritional status, antioxidant and antibacterial properties of some wild edible mushrooms of Tripura along with protocol development for cultivation.	Prof. A.K. Saha, T.U.	Do
3.	Gopal Debnath	Botany	Production of extracellular enzymes by some wild edible mushrooms of Tripura and evaluation of their antibacterial activity through synthesis of silver nanoparticles	Prof. A.K. Saha, T.U.	Do
4.	Pintu Karmakar	Botany	Diversity, allergenicity and biochemistry of airborne	Prof. A.K. Saha, T.U.	Do

			mould spores in outdoor and indoor environments of Agartala, Tripura.		
5.	Bandana Das	Chemistry	Adsorption of Dye and Bio- molecules on to Polyelectrolyte/ Surfactant complex Fabricated by Layer by Layer sequential technique.	Prof. R.K. Nath, T.U.	Do
6.	Kartick Lal Bhowmik	Chemistry	Synthesis Characterization and application of Conducting Polymer Based Films and Metal Oxide Nanocomposite.	Prof. R.K. Nath, T.U. (Supervisor) & Dr. Biswajit Saha, NIT, Agartala (Co- Supervisor)	Do
7.	Usha Rani Gogoi	Computer Science & Engineering	Analysis of Infrared Breast Thermograms for Abnormality Detection.	Dr. M.K. Bhowmik, T.U, (Supervisor) & Prof. A.K. Ghosh, Ex. V.C, T.U. (Co- Supervisor).	Do
8.	Tamal Majumder	Forestry & Biodiversity	Structural diversity and functional aspects of Agartala's Urban Forest Ecosystem, Tripura.	Dr. Thiru Selvan, T.U.	Do
9.	Somprakash Dhar	Geography & D/M	Geopolitical Scenario of Tripura: An Analytical Study on State, People and Developmental Policies.	Dr. S. Mitra, T.U.	Do
10.	Dhirendra Nath Das	Geography & D/M	Livelihood of Rural Poor Under the Swarnajayanti Gram Swarozgar Yojana in West Tripura District, Tripura: A Case Study.	Dr. S. Mitra, T.U.	Do
11.	Susmita Saha	Human Physiology	Molecular and cellular studies on in-Vitro wound Healing Activities of Parkia Javanica, A Medicinal Plant of Tripura, North-East India.	Prof. S. K. Sil, T.U.	Do
12.	Rahul Debnath	Human Physiology	Studies on the Effect of Pineapple Extract (Bromelain and Peroxidase) on Leukemia and Lymphoma: An In vitro and in vivo Approach.	Dr. Debasish Maiti (Supervisor) and Prof. Durgadas Ghosh (Co- Supervisor)	Do
13.	Kumarjit Saha	Physics	VLF probing of the lower ionosphere, tropospheric circulation and lightning climatology.	Dr. Anirban Guha, T.U.	Do

Resolution:

Recommended and Approved.

Agendum 5/10/20 To report the following names of Ph.D. Students who have been awarded Ph.D. Degree Provisionally in different subjects under the Faculty of Science.

Sl. No	Name of the Scholar	Department	Title of Ph. D. Thesis	Supervisor	Date of Award
1.	Sukla Bhattacharje e	Botany	Fungal endophytes in some medicinal plants of Tripura and evaluation of their antimicrobial properties.	Prof. A.K. Saha, T.U.	09.05.2019
2.	Amitava Sharma	Chemistry	AB-Initio Computational Study of Potential Energy Surfaces of Ionized States of Simple Molecules Applying EIP- VUMRCC Method with and without Full Connected Triple Excitation CC Operators.	Prof. Dhiman Sinha, T.U.	09.05.2019
3.	Rita Roy	Zoology	Biology of Chitala Chitala (Hamilton, 1822) with special reference to its Ex-situ conservation in Tripura, India.	Prof. S. Banik, T.U.	22.05.2019
4.	Priya Saha	Computer Science & Engineerin g	Studies on some Facial Expression Recognition Techniques based on Visual and Infrared Thermal Face Images.	Prof. B.K. De, T.U, (Supervisor) & Prof. Mita Nasipuri, Department of CSE, Jadavpur University (Co- Supervisor)	12.07.2019
5.	Bapi Dey	Physics	Electrical and Optical Characterzations of Some Organic Molecules Assembled Onto Ultra Thin Films.	Dr. S.A. Hussain, T.U.	08.08.2019
6.	Istak Ahmed	Geography & D/M	Sedimentation Problem of Regulated Rivers and its Impact on Geographical environment: A Case Study of the Gumti River, Tripura.	Dr. Nibedita Das (Pan), T.U.	23.08.2019
7.	Jatan Debnath	Geography & D/M	A Geo-Environmental Study on Land Use/ Land Cover Change in The Muhuri River Basin, Tripura, North-East India.	Dr. Nibedita Das (Pan), T.U.	23.08.2019
8.	Shilpi Saha	Human Physiology	Studies on physical growth, nutritional status and maturation of the Chakma and the Bengali girls (age 6-18 years) of Tripura and their comparative analysis.	Dr. S. K Sil, T.U. (Supervisor) & Dr. Parasmani Dasgupta, Biological Anthropology Unit, ISI, Kolkata, (Co- Supervisor)	23.08.2019
9.	Purnajita Sen	Human Physiology	Studies on Cardiovascular and metabolic Risk Profile in Post	Dr. Dipayan Choudhuri,	23.08.2019

			Menopausal Ethnic Women of Tripura.	T.U.	
10.	Jhinuk Basu Mullick	Human Physiology	Incidence of Sexually Transmitted Infections (STIs) in Hospital Patients of Tripura and Evaluation of Selected STI Related Antibacterial Activity of Parkia Javanica and Evolvulus Nummularius with Reference to their Role in Cellular Immune Responses in Vitro.	Prof. S.K. Sil, T.U.	06.05.2019
11.	Chandan Debnath	Physics	Characterizations of Hybrid Langmuir-Blodgett (LB) Films Prepared by Electrostatic Interactions.	Prof. D. Bhattacharjee, T.U.	26.09.2019
12.	Pritha Das	Human Physiology	Studies on Metabolic Homeostasis in mice following sub- acute lead.	Dr. Sudipta Pal, T.U.	26.09.2019
13.	Chiranjit Paul	Forestry & Biodiversit y	Studies on Genetic Diversity and Some Nutritional Aspects of Dioscorea (Dioscoreaceae) in Tripura.	Dr. Bimal Debnath, T.U.	26.09.2019
14.	Amal Debnath	Forestry & Biodiversit y	Impact Assessment of Chromolaena odorata (L.) King & Robinson (Alien Invasive) on Diversity and Composition of Vegetation, Soil Properties and Litter Decomposition Rate in Atharamura Forest Range of Tripura State.	Dr. Bimal Debnath, T.U.	01.10.2019
15.	Shawli Bardhan	Computer Science & Engineerin	Analysis of IR Images For Detection of Inflammatory Knee Joint Diseases.	Dr. M.K. Bhowmik, T.U.	19.11.2019
16.	Bapan Paul	Physics	Investigation on different solar and Geophysical Phenomena using GPS derived Total Electron Content (TEC) data over Equatorial Ionization Anomaly (EIA) crest region.	Dr. Anirban Guha, T.U.	11.12.2019
17.	Amarjit Chanda	Mathemati cs	A Study on some new Methods of Clustering and Applications.	Dr. S. Bhattacharya (Halder), T.U.	14.01.2020
18.	Sanchita Bhattacharya	Botany	Fungal community composition and bioactive potential of selected fungal endophytes isolated from Ananas comosus L. (Bromeliaceae) of Tripura.	Prof. A.K. Saha, T.U.	28.01.2020

Resolution: Reported.

To consider the resignation letter of Jeshima Debbarma, RET qualified Research Scholar, Department of Human Physiology, T.U. Agendum 06/10/20

Resolution: Approved. Agendum 07/10/20 To consider the report of the examiners appointed for adjudication of thesis and Viva-voce reports for the award of Ph.D. Degree of Science.

Sl. No	Name of the Scholar	Department	Title of Ph. D. Thesis	Supervisor	Date of Viva-voce
1.	Madhusudan Debnath	Human Physiolog y	Nutritional values, medicinal properties and molecular characterization of endemic earthworm <i>Eutyphoeus gammiei</i> of Tripura, India.	Prof. S.K. Sil, T.U.	10.02.2020

Resolution: Recommended and Approved.

(Professor S. Banik)

Dean,

Faculty of Science

Tripura University