

## SUB THEME: COGNITIVE SCIENCE AND UNIVERSE

Date-10<sup>th</sup> Jan, 2020 Presentation *Time-10 mins max.*

	<b>Scientific Session:1 (Room No.-117)</b>	<b>10am-11.40am</b>
	<b>Chairperson- Prof. Pradip K Kar</b>	
	<b>Coordinator &amp; Observer- Dr. Samik Bindu</b>	
<b>Sl No.</b>	<b>TITLE</b>	<b>AUTHOR</b>
1.	Evolution of language as a cognitive construct	Niranjan Mandal (10 mins)
2.	Synaptic plasticity: Its role in memory formation and psychiatric and cognitive disorder due to synaptic dysfunction.	Raviranjana Pandey (10 mins)
3.	A new dawn for the cognitive disorders: Possibilities of early diagnosis and development of better therapeutics.	Sanskriti Rai (10 mins)
4.	Issues regarding Behavioural Genetics Research through Computational tools	Supriyo Ghosh (10 mins)
5.	Mind and body in 'Raj-Yoga' - An approach to the inner space	Arpita Paul (10 mins)
6.	Teachers stress and Yoga: A mind-body intervention	Anisha Tamang (10 mins)
7	<i>Tinospora cordifolia</i> stem extract reduce acute hyperglycemia by targeting oxidative stress response in streptozotocin induced diabetic mouse.	Somit Dutta (10 mins)
8	An initiative to construct species mapping of Chinese Ferret Badger ( <i>Melogale moschata</i> Gray, 1831) in Dooars region of West Bengal	<sup>1</sup> Raj Kumar Mahato and <sup>2</sup> Debojyoti Dutta (10 mins)
9	Sustainable pest management in Indian agriculture from the perspective of developing economy	Somnath Kundu (10 mins)
10	Protease of waste keratin degrading antinomycete to un-hair goat skin	Jahanur Hussain, RP Mukhopadhyay (10 mins)
	<b>TEA BREAK</b>	<b>11.40am-11.50am</b>

<b>Scientific Session:2</b>		<b>11.50am-2pm</b>
<b>Chairman- Prof. Prabir K Halder &amp; Dr. Kajal K Mondol</b>		
<b>Coordinator &amp; Observer- Dr. Sanjay Mallick &amp; Mr. Nirpat Subba</b>		
Sl No.	<b>TITLE</b>	<b>AUTHOR</b>
<b>11</b>	Density dependence of B-parameter in Vaidya-Tikekar Model	Pradip Kumar Chattopadhyay
<b>12</b>	Observation of low latitude complicated VLF signal perturbation during combined occurrence of sudden natural disturbance	Bakul das, Pabir kumar Halder
13	On solving cylindrical KdV equation using lie symmetry method	Anindya Paul, Kajal Kumar Mondal
14	Effect of externally applied periodic force on dust ion acoustic solitary waves for non-extensive plasma in the framework of damped force Korteweg-de-Vries Burgers eqn.	<sup>1</sup> Niranjan Paul, Prasanta Chatterjee & <sup>2</sup> Kajal Kr.Mondal
15	Analytical solitary wave solution and their structure for forced and damped force modified Zakharov-Kuznetsov equation	Subroto Roy, Rishiraj Kairi, Santanu Raut
16	Energy dependence of Hadron ratios in Au-Au collision at RHIC energies: An HRGM approach.	Azharuddin Ahmed, Nirupat Subba, Prabir Kumar Haldar, A Tawfik
17	Contaminant transport of Settling particles in a wetland flow.	Kajal Kumar Mondal, Nanda Poddar, Sushmita Das
18	M-fuzzy topological space.	Sudeep Dey
19	Observational constraints of emergent universe in viscous branworld gravity with Gauss-Bonnet coupling.	Partha Sarthi Debnath
20	Analytical solution of frictional force Korteweg-de Vries equation	Asim Roy, Kajal Kumar Mondal, Santanu Raut
<b>21</b>	Luminescence properties of CU <sub>2</sub> S quantum dots synthesized by low cost chemical method	Nikita Ghosh <sup>1</sup> , D Chakdar <sup>2</sup> , G Gope <sup>3</sup> & Prabir K Haldar <sup>1</sup>
<b>22</b>	Three shared set problems- A different perspective	Sanjay Mallick, Md Tarique Anwar
<b>23</b>	Wavelet analysis in high energy nucleus-nucleus interaction	Prosenjit Saha, Nirpat Subba, Prabir K Halder
<b>LUNCH BREAK</b>		<b>2.00pm – 2.30 pm</b>

<b>Scientific Session:3</b>		<b>2.30pm-5.30pm</b>
<b>Chairman- Prof. Dilip Debnath &amp; Prof. Shasanka Kumar Gayen</b>		
<b>Coordinator &amp; Observer- Dr. Goutam &amp; Dr. Dipika Subba</b>		
<b>Sl No.</b>	<b>TITLE</b>	<b>AUTHOR</b>
24	Effect of landuse and tillage practices on changing carbon pools in soil- plant system	D Pal, PK Patra, R Bhattacharya, D Mukhopadhyay (15 mins)
25	A study of the angiosperm diversity of Barogila village of Chakchaka gram panchayat in the Coochbehar District of West Bengal.	Sharmistha De, Jahanur Hussain and RK Mukhopadhyay
26	Survey of the life form, habit, dominance, diversity, and importance of flowering plants present in the Cooch Behar Panchanan Barma University campus	Anita Debnath <sup>1</sup> , N Barman <sup>1</sup> , J Hossain, R. P. Mukhapadhyay
27	Reliving in the faith healing practices of Sikkim Himalaya.	Kishore kumar Thapa, SapanTamang
28.	Thrilling journey of life: Our past, present, future in the light of chemical science.	Abhishek Saha
29.	Human and non-human interaction with environment and sustainability in connection to Chemistry.	Pallabi Sarkar
30.	A new multi criteria based tourism potentiality index in reveal of tourism Potentiality: A study on Bankura District West Bengal India	Suman kr. Dey, M Mondal, S Raha, Shasanka K Gayen
31.	Green environment: The role of biopolymer	Rabindra Dey
32.	Exploring the tourism potential in Jayanti of Alipurduar district and its role in the economic development of the inhabitants.	Indrayudh Paul, Nazrul Islam

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**Date-11<sup>th</sup> Jan, 2020**

<b>Scientific Session:4</b>		<b>11.15am-2pm</b>
<b>Chairman- Prof. Dilip Debnath &amp; Prof. Shasanka Kumar Gayen</b>		
<b>Coordinator &amp; Observer- Dr. Goutam Biswas &amp; Dr. Sraban Sarkar</b>		

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Sl No.	TITLE	AUTHOR
33.	Globalisation and India's Cultural tryst with destiny	Bhaskar Chaudhuri
34.	Ethnological perspective of environment in sustainability.	Sourav Mondal
35.	Custom ritual and practices of indigenous people promoting environmental sustainability from ages.	Anandita Chakraborti
36.	Analysis of channel bank shifting with the help of remote sensing and GIS technique; A study on the Dharla River in Coochbehar District.	Koyel Roy, Shasank Kumar Gayen
37.	Environmental Dispersion of fine settling particle in a wetland flow	Kajal Kumar Mondal, Nanda Poddar, Subham Dhar
38.	Solitary wave motion for damped Korteweg-de-Vries Equation using Direct test function method.	Ranjan Burman
39.	On solute transfer in a pulsatile flow through an annulus with absorbing wall: An application to a catheterized artery.	Nanda Poddar, Kajal Kumar Mondal
40.	Exact solutions of embedding class one type describing compact stellar objects.	Shyam Das
41.	Tsallis holographic dark energy with interacting generalized Chaplygin Gas in compact Kalauza-Klein cosmology.	A Saha, S Ghose
42.	Human Cognition, Market Outcomes and Economics Efficiency: A study through Data Base Management System	Partha Mandal <sup>1</sup> and Sugata Sen
43.	Artificial Intelligence	Sonika Pradhan
44.	Comparison of rainfall threshold between east and west slopes for the Prediction of possible landslide occurrence along NH-10 in Darjeeling Himalayas	Prodip Mandal <sup>1</sup> Dr. Shraban Sarkar <sup>2</sup>
45.	Custom ritual and practices of indigenous practices of indigenous people promoting environmental sustainability from ages	Anindita Chakraborty
46.	Assessment of potential ground water zone using AHP & GIS techniques in Cooch Behar district	Tapan Kumar Das, Dipankar Saha
	<b>LUNCH BREAK</b>	