

Biospectrum-2019

Poster List

Day 1(08.08.2019)

Environmental sciences

Serial no.	Poster number	Paper name	authors
1	1	Comparative study of web parameters and their correlation to length of body parts in two	1 Arup chandra*and Priyankar Sanphui
2	8	Implication of chromium stress response of <i>Mesorhizobium ciceri</i> in bioremediation	Sudipta Majhi, Priyanka Maitra, Dr. Paramita Chaudhari Basu
3	10	Eco Management of Riverian Water Quality: Biochemical Ecology and Functional role of Benthic Fungi	KishalayParia,Susanta Kumar Chakraborty
4	11	Heavy metal accumulation in vegetables and their potential health risk	*Arshi and *Neetu Mishra
5	14	A comprehensive review on marine siderophores produced by Actinomycetes and high throughput techniques for enhanced analysis	Mounika sarvepalli, Dr.K.Narasimhulu
6	18	Assessment of soil Microbial Population from Secondary natural forest in mizoram,India	Shrayosee Ghosh*,and shri Kant Tripathi
7	33	Optimization and Kinetics of biodiesel production from vegetable oil byproducts	Sumit Nandi, Rupa Bhattacharya and Tamal Kanti Ghosh
8	42	Cadmium phytoremediation potential of robust plant <i>Centella asiatica</i> in relation with metal uptake capacity,Bioconcentration Factor and Translocation Factor of the plant	Sunayana Goswami* and Sudip choudhary
9	52	Association of arsenic induced bladder cancer and GST01 and GST02 polymorphism with high cumulative arsenic exposure in residents of west Bengal	Sarmishtha Chanda,Debedranath Guha Mazumdar, Tushar Chakraborty
10	57	Effect of environmental variables on the spatio-temporal distribution of mesozooplanktons at the selected study sites surrounding sundarban mangrove	Sabyasachi Chakraborty,Abhishek Mukherjee, Tarun kumar de and Sandip

		ecosystem	kumar ghosh
11	74	Bioprospecting of microalgae for biodiesel and pigment production	Karpagam Rathinasamy
12	80	Integrated pest management in Agro ecosystem	Manish Kanti Biswas
13	83	Role of Plant Secondary Metabolites in Combating Lead and Copper Induced stress in Brinjal (<i>Solanum melongena</i> L)	Sudeshna Roy and Shrirupa Dhar ¹ , Saptarshi Roy Chowdhury, Rupsha Bhattacharjee, Pratik Talukder

Biomaterials

Serial no.	Poster no.	Paper name	authors
1	6	Hydroxyapatite based nano delivery system for targetting silencing machinery in mouse embryonic stem cells	Pranjita Zantye, Indrani Talukder, Sutapa roy Ramanan, Meenal Kawshik
2	32	Incorporation of nanofiller in PVC-poly blends for enhanced environmental stability	Rupa Bhattacharya, Sumit Nandi and Manisa Dhar
3	34	Applications of carbon nanoparticles in biological sciences: an overview	Kantisree Goswami,
4	44	Synthesizing Boolean logic gates based on chemotaxis guided micromotor	Tamann Bhuyan, Amit Kumar Singh, Mitradip Bhattacharjee, Siddhartha sankar Ghosh, Dipankar Bandopadhyay
5	45	Zinc oxide nanoparticles for sustainable agriculture : synthesis and application	Ishani Bannerjee, Abhinash Mohanty
6	48	Continuous production of nano-biomaterial through microfluids for potential bacterial treatment	Surjendu Maity, Tammana Bhuyan, Dipankar Bandopadhyay
7	72	Polyphenol conjugated gold nanoparticles against visceral Leishmaniasis	Ritwik Bannerjee, Sayantani Garai, Suvadra Das
8	75	Synergisms of piperine along with Cerium oxide nanoparticle against spore forming bacteria <i>Bacillus Subtilis</i>	Fatima Fakhunda, santosh kumar Jha, Hare Ram Singh
9	76	Exosomes mediated bioimaging of cancer cells via DNA encapsulated in situ synthesized silver nanoclusters	Aqsa Quambrani, Wang Xuemei, Hui Jiang, Sana Shaikh

Microbiology

Serial no	Poster no	Paper name	authors
1	5	Molecular targeting theory of colon cancer cells by PAR1 mediated apoptosis through V.cholerae hemagglutinin protease	Dwiprohi Kar, Tanushree ray, Amit Pal
2	7	Indegenous bacteria from an alkaline Uranium mine tailings for sequestration of Uranium	B.Udaykumar, N.P.I.das, R.K.Padhi, Subba Rao
3	9	A study on mutualistic and inhibitory interactions formed by white rotb fungus ,Trametes coccineus during fungal-fungal interactions	Samim Dullah, Merillin Kakoty, Tanushree Bargohain, Dibya Jyoti Hazarika, Assma Parveen, Gunajit Goswami, Madhumita Barooah , Robin Ch.Boro
4	15	Inhibitory effect of monospecies marine biofilm and its metabolites on larval settlement of the fouling barnacle Amphibalanus reticulants	K.Rajitha, Y.V.Nancharaiah, V.P. Venugopalan
5	16	A chicken bioreactor for efficient production of functional cytokines	Sodum Nalini, Nitesh Kumar
6	17	Distribution of blaNDM-1 in different phylogroups of escherichia coli isolated from septicemic neonates	Amrita Bhattacharjee, Shravani Mitra, Sulagna Basu, Suchanda Mukherjee
7	21	Optimization of nutritional parameters for L-Asparaginase production by isolated bacterial strain	Rupkatha Mukherjee, Debabrata Bera
8	22	Truncation of chromosomes 6 of opportunistic fungal pathogen Candida albicans and its response to drug flucanazole	Gayathri Bhattathiri, Nina Louise Chandi, Anuja Sreekumaran, Surya Bijoy Varma and M.Anaul Kabir
9	58	Improving algal single cell protein production under diverse bio-physico-chemical stress conditions	Kamalendu De, Dipankar Ghosh
10	63	Luminiscent nanocarrier for antibacterial and antibiofilm studies	Anitha T. Simon, Deepanjalee Dutta, Arun Chatoopadhyay, Siddharth Shankar Ghosh
11	64	Impact of Socioeconomic factors on food security and nutritional status of primary school going children in rural and urban area of Barishal	Fardana Binte Zaman, Md.Shajadul Islam, Md.Golam Rabbani
12	67	Genetic manipulation of Leishmania donovani to explore the involvement of peroxiredoxin in	Abul Hasan Sardar, Kumar Abhishek,

		oxidative stress management	pradeep Das
13	68	Identification of multidrug resistant ESBL producing bacteria from hospital provinces of Silchar, Assam and their co-selection of heavy metal tolerance	Meghali Goswami, Rajarshi Nath, Ahana Sinha, Suchitra Singha, Ankita Dey, Nilakshi Bhattacharjee, Soumitra Nath
14	70	Screening and characterization of bacteria possessing probiotic properties isolated from fermented rice	Satabdi Bhattacharjee, polok Modak, Monisha Roy, Soumitra nath, Bibhas Deb

Biochemistry

Serial no.	Poster no.	Paper name	Authors
1	12	The potential effect of wheatgrass against mercury induced oxidative stress in rats	Renu Tripathi, Neetu Mishra, Syed Ibrahim Rizvi
2	13	Regularization of Estrous Cycle Withania somnifera and Metformin in the PCOS induced rats	Zeba Khan, S.I. Rizvi, Neetu Mishra
3	37	Development of low fat mayonnaise containing Locust bean gum as a functional ingredient	Tasneem Rawat, Veena Yardi, Sahayog N Jamdar
4	43	Functionality analyses of protein hydrolysate from the freshwater edible Mussel <i>Lamellidens marginalis</i> as potent source of functional food	Jana Chakrabarti, Ankhi Halder, Madhushrita Das
5	47	Expression profiling of integrins beta 1 and beta 4 in breast cancer	Nainika Ravichandran, Vidya M. Somashekaraiah, Vishakha Ramamurthy, Savitha Rajarajan, Madhumathy G. Nair
6	53	Expression profiling of miR-221 and miR-93 in breast tumor samples and its correlation with lymph node metastasis	Ruhi Jaiswal, Savitha Rajarajan, Madhumathy G. Nair,
7	59	Domain structure and the folding -unfolding mechanism of a staphylococcal cyclophilin involved in pathogenesis	Soham Seal, Subrata Sau.

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Poster List

Day 2

(09.08.2019)

Plant Biology

Serial no.	Poster no.	Paper name	Authors
1	02	Isolation & assessment of rhizosphere actinomycetes from major crop plants of shifting cultivation in Mizoram, Northeast India for phosphate solubilisation	MARCY D. MOMIN, SHRI KANT TRIPATHI
2	03	Effect of heavy metals on growth and symbiosis of legumes(<i>Cier arietinum</i>)	Prakrity Chatterjee, Akshay Paul, Dr. Paramita Chaudhuri Basu
3	04	<i>Digitalis purpurea</i> L. [2n=56]; an overview	A.N Choudhury, N. Sepay
4	19	Standardization of an in vitro regeneration and transformation protocol in Khasi Mandarin	A.Panchashree das*, B. Salvinder Singh & C. Priyabrata Sen
5	20	Evaluation of selected segregating Populations of Indian Rapessed(<i>Brassica rapa</i> L.) for Yield and Yield Related Traits	Smrita Gogoi* & Purna K. Barua
6	25	Observation on the structural and developmental pattern during direct somatic embryogenesis in aromatic rice landraces(<i>Oryza sativa</i> _L)	Dr. Ashim Chakravorty
7	26	Comparative analysis of centellosides of in-vitro raised and conventionally propagated <i>Centella asiatica</i> (L)	A.Priyanka Mohapatra, B. Asit Ray, C.Reena parida, D. Sujata Mohanty
8	27	Early onset of somatic Embryogenesis	Dr Urshi Roy
9	28	Medicinal Plants:A weapon to battle against resistant microorganism	Urmi Roy
10	29	MicroRNA 394 regulates auxin signaling during sulphur deficiency to initiate root hair growth	Rumdeep K. Grewal, Sharada Sharaf, Sudip Kundu

11	30	Screening of phytochemicals and detection of phenolic 6odeling6nts from the methanolic extract of <i>Flacourtiajangomas(Lour.)</i> Raeusch	Nazifa Sahani Barbhuiya, Anupam Das Talukdar, Manabendra Duttachoudhury
12	31	Homology 6odeling and molecular docking of PimA from <i>Mycobacterium tuberculosis</i> : An approach for novel antitubercular design	Sabina Begum Choudhury, Anupam Das Talukdar, Manabendra Dutta Choudhury
13	54	Isolation ,purification and biochemical characterization of ENTADIN LECTIN from <i>Entadarheedii</i>	Sanjay Naik, Sanjit Kumar
14	65	Isolation of hepatoprote ctive principle from methanolic leaf extract of <i>Clerodendrumviscosum</i> , Vent	Pinak Pani Nath Choudhury, M. Dutta Choudhury,Sudip Choudhury, Chitrajit Malakar , Dr. Sunaina Goswami
15	66	Diversification of flavonol synthase	Trina Roy, Sritama Mukherjee,Seema nti Ghosh
16	84	Inventorization and identification of the genus <i>Russula</i> from West Bengal using morphological to molecular techniques	<u>Soumitra Paloi,</u> Krishnendu Acharya
17	86	Role of Plant Secondary Metabolites in Combating Copper and Lead Induced stress in Chilli(<i>Capsicum annuum</i> L)and Brinjal (<i>Solanummelongena</i> L)	<u>Annapurna Jana</u> <u>and SaikatGhosh¹,</u> <u>Asmita Das,</u> <u>Sayantana Banik,</u> <u>Pratik Talukder</u>

Microbiology

Serial no.	Poster no.	Paper name	Authors
1	24	Effectiveness of giving proper instrucion tonthe patients regarding urine sample collection –as one of the measures to decrease antibiotic misuse	Dr. Hossain Najma Banu, Dr. Kumkum Bhattacharyya
2	35	Effect of gamma radiation and potassium sorbate on sensory quality ,Tyrosine value and microbial analysis of Poa(Pama pama), preserved at low temperature(+4°C)	A. Md. Shajadul Islam, B.M. Kamruzzaman Munshi,C. Roksana Huque, D.Arzina Hossain , E. Md. Shafiqul Islam Khan
3	38	Solid state fermentation of mustard meal with lactic acid bacteria to improve the nutritional quality	A.Sarbani Ganguly, B. Arpita Banerjee
4	39	Characterization of gppA Gene function in Stringent Response Regulatory Pathway of <i>Vibrio cholerae</i>	Dipayan Rakshit, Rupak K. Bhadra
5	46	Studies on parasitic nematodes(Oxyurida, Thelastomatoidea) from cockroach by light and scanning microscopy	I.Kundu, A. Halim
6	56	Pathogen HMGB1 is Serologically Distinct from Mammalian HMGB1 but conserved between Protozoan and metazoan parasites	Diwakar Kr Singh, Sagar Gaikwad, Birendra Prusty, Rajkumar Patro, Balachandran Ravindran
7	60	An extended literature survey on kinetic parameters of Lignocellulose biomass degrading naïve and engineered enzyme	Somnath Das, Dipankar Ghosh
8	61	Structure ,function,stability and the folding-unfolding mechanism of an anti-sigma factor from <i>Staphylococcus aureus</i>	Debabrata Sinha, Dr. Subrata Sau
9	62	Characterization and molecular studies on mercury resistant bacteria	P.Dhana Laxmi , P.Mahidhari, Jogeswar Gadi, R.Kalyani, Nasrin Sayedi, B.V. Sandeep, P. Sudhakar
10	71	Single step conversion of corn and potato starch into lacyic acid bu simultaneous saccharification and fermentation	A.Deepa Goswami , B. Abhisek Mukherjee, C. Somenath Roy Choudhury, D.Sayantani Dutta, E. Subhabrata Sengupta
11	73	Study the binding patterns of HLA class1 and cTAP Binding peptides for chikungunya vaccine design	A.Prashant Saxena , B. Sanjay Mishra

12	77	Pontibacter sp. Strain BABI700, a novel halotolerant bacterium isolated from sediments of drilling well, Gujarat State ,India	Mahrashi Pandya,Ramesh Pandit, Janvi Raval, Poonam Bhargava, Chaityna Joshi, Madhvi Joshi
13	85	Comparative Study on the Efficacy between Amoxicillin and the Ethanolic extract of <i>Ocimum tenuiflorum</i> and <i>Azardirachtica indica</i> on Dental Biofilm	Dipro Mukherjee ¹ ,Aniket Paul ² , Riddhi Dutta ² , Dibyajit Lahiri ^{1*} ,Moupriya Nag ^{1*}
14	79	A study on <i>in-vitro efficacy</i> and optimiozation of chemical fungicides against <i>Alternaria triticina</i> causing leaf blight diseaseof wheat.	Puja Kumari, Sunil Kumar Choudhury , Arvind Kumar
15	69	Isolation of bacteria from fermented milk skim, and to determine their probiotic potential	Shangomitra Bhattacharjee ¹ , Riya Nath ¹ , Jibalok Sikidar ¹ , Soumitra Nath ^{1,2} and Bibas Deb ^{1,2}

BIOINFORMATICS

SERIAL NO	POSTER ID	AUTHOR	TITLE
1	23	Predicting a genetic linkage between obesity and cardiovascular disease using computational gene network analysis	Sheuli Kangsa Banik, Somorita Baishya, Anupam Das Talukder, Manabendra Dutta Choudhury
2	40	A New computer model shows how proteins are controlled at a distance	Satarupa Majumdar , Dr. Sandipan Dasgupta
3	41	Fusion Gene : Combating Against Cancer	Sushmita Mukherjee Sandipan Dasguppta
4	36	An Exploratory Study of Gene Expression in Stress Response of Human using Microarray Data	Shamayeeta Sarkar Bhargav Dave Prasenjit Majumdar
5	49	Prevention of aging in Human beings	Abhinash Mohanty Ishani Banerjee
6	50	P-Coumaric Acid as Alternative drug to carbapenems:an in silico approach	Somorita Baishya Monjur Ahmed Laskar Saina Begum Chowdhury Anupam Das Talukdar Amitabha Bhattacharjee

			Anand Anbarasu Manabendra Dutta Chowdhury
7	51	Alkaloid Biosynthetic Pathway:a bioinformatics approach	Rittika Roy Smita Roy
8	55	Undermining the potentiality of plants in HIV therapy with Special eemphasis on bioinformatics approach	Prarthana Chatterjee Smita Ray
9	78	Identification of botanical adulterants in herbal formulations using DNA meta – barcoding	Ramesh Pandit Tasnim Travadi Anjali Sharma Chaitanya Joshi Madhavi Joshi
10	81	New tool for cancer detection	Bratin Sarkar Sourav Chandra Dr. Anirban Das Dr. Pratik Talukdar
11	82	Waste to Wealth: Kitchen waste to ethanol	Poulomi Ghosh Amarjit Jha Saprativ P. Das