

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



S. No.	Presenting Author	Title of the Abstract	Page No.
Day-1: Offline mode (01:30 to 03:30 pm)			
P-1	Aakansha Sharma	Role of Testes in Gene Expression in the Hypothalamus of a Migratory Songbird during Spring and Autumn Migratory States	22
P-2	Abhilasha Singh	Using Molecular Modeling Platform to Model Avian Chromatin Remodelling SWI/SNF-Like Complex	23
P-5	Amaan Buniyaadi	Melatonin Rescues the Negative Effect of an Illuminated Night Environment on the Behaviour, Cognition and Associated Gene Expression in Diurnal Indian House Crows	26
P-7	Anand Swaroop Shukla	Carbifoliside - A Novel Inhibitor of Crystathionine- γ -Lyase, an H ₂ S Synthesizing Enzyme: An In-Silico Study in Phytochemicals from <i>Tinospora cordifolia</i> for Exploring Anti-Tumor Mechanism	28
P-8	Ananya Banerjee	Asprosin in Wall Lizard: A Preliminary Study	29
P-9	Anjali	Prevalence of Antibiotic Resistance and Associated Genes in <i>Escherichia coli</i> Isolated from Commercial Layer Chickens	30
P-13	Arun Chhokar	Innovative Screening Tool for Progressive Cervical Cancer Lesions: Early Detection, Prevention and Elimination	34
P-14	Ashwani Kumar	Dim light at night negatively affects sleep and novel object exploration in diurnal male zebra finches	35

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



P-18	Chandra Kant Singh	Effect of Irradiation on Gut Bacterial Microbiota in a Serious Noctuid Polyphagous Pest, <i>Spodoptera litura</i> (Fabricius)	39
P-19	Debalina Chatterjee	Potential of Biosynthesized Gold Nano-Particles in Waste Water Management	40
P-21	Dhananajay Kumar	Sexual Dimorphism in Ultradian and 24h Rhythms in Plasma Levels of Growth Hormone in Indian Walking Catfish, <i>Clarias Batrachus</i>	42
P-22	Dinesh Raj Pant	Role of Thyrotropin and Deiodinase Axis in the Regulation of Seasonal Reproduction in Indian Freshwater Catfish <i>Heteropneustes fossilis</i> (Bloch)	43
P-25	Indu Malik	Constant Light Negatively Affects Activity Behaviour and Gene Expressions in Female Zebra Finches	46
P-26	Joni Yadav	Intercellular Communication through Exosomal Compartment in HNSCC: Transfer of Transcription Factor STAT3	47
P-27	Jyoti Dhankhar	Non-Cell-Autonomous Effects of Mutant Huntingtin on Immune Cells in Transgenic <i>Drosophila</i> Model of Huntington's Disease	48
P-56	Pankaj Kumar	Characterization of the Methanolic Seed Extract of Two Medicinal Plants, <i>Putranjiva roxburghii</i> and <i>Bryonia laciniosa</i> and its Effects on Gonads of Albino Mice	78-79
Day-2: Offline mode (02:00 to 04:00 pm)			
P-29	Kavita Rawat	Increase in Neutrophil Number and Function Contributes to Gradual Systemic Deterioration during Tumor Progression	50
P-31	Krittika Dotania	Phylogenetic Analysis of Nesfatin-1, a Novel Peptide	52

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



P-32	Kulbhushan Thakur	Deciphering STAT3 Regulatory Mechanism(s) in HPV Transcription in Cervical Carcinogenesis	53-54
P-33	Kumari Ila	Annual profiling of multiple forms of vitellogenin (vg) and choriogenin (chg) genes in Indian fresh water murrel, <i>Channa punctatus</i>	55
P-34	Kushneet Kaur Sodhi	Isolation and identification of amoxicillin degrading bacteria from the Yamuna river water	56
P-35	Madhumita Sengupta	Irradiation impact on sexual behaviour of female moth, <i>Spodoptera litura</i> (Fabricius) and its potential role in operating 'Inherited sterility technique' for pest suppression	57
P-36	Mahreen Muneer	Applications of L-Tyrosine Mediated Gold Nanoparticles in Remediation of Contaminated Water	58
P-38	Mamta Tripathy	Ovarian Progesterone Receptor in <i>Hemidactylus flaviviridis</i> : Reproductive Phase-Dependent Expression Pattern, Gonadotropic Regulation and Correlation with Plasma Progesterone Level	60
P-43	Mayank Kumar	Light at Night Alters Daily Behavioural Pattern and Physiology in Male Zebra Finches	65
P-44	Monica	Characterization of A Novel Histone H2A Specific Protease from Chicken Liver Nuclear Extract	66
P-48	Neha Vimal	Radiation Hormesis as an Augmentative Approach to Improve Radio-Genetic F ₁ Sterility Technique towards Suppression of a Polyphagous Pest, <i>Spodoptera litura</i> (Fabr.) [Lepidoptera: Noctuidae]	70

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



P-49	Nidhi Chahal	Gonadotropin Imbalance and Progression of PCOS	71
P-50	Nidhi Krishna Shrivastava	Deciphering immune system in faster developing <i>Drosophila melanogaster</i>	72
P-52	Nikita	Transcriptional Regulation of Human Papillomavirus in Head and Neck Squamous Cell Carcinoma Cells	74
P-53	Nilza Angmo	Influence of Radiation on Female Sex Peptide Receptor (Spr) to Assess the Frequency and Quality of Insemination in a Tropical Pest, <i>Spodoptera litura</i> (Fabr.) [Lepidoptera: Noctuidae]	75
P-54	Nisha Singh	Urban and Rural Differences in Sleep Behaviour and Fatigue: The Consequence of Mobile Involvement and Internet usage among School going Female Adolescents	76
P-55	Nitish Rawat	Understanding the Genetic Basis of the High Degree of Quinolone Resistance Detected in <i>Escherichia coli</i> Isolated from Commercial Chickens from North India	77
P-16	Bhawna Chuphal	In Silico Analysis of NOD ₁ and its Differential Expression during Bacterial Infection in Spotted Snakehead <i>Channa punctata</i>	37
Day-3: Offline mode (01:45 to 04:00 pm)			
P-88	Pooja Kumari	Determination of the Optimum Concentration of Various Anaesthetics for two Channid Species	113
P-57	Pooja Choubey	Immunohistochemical Analysis of Heme Metabolizing Enzymes in Late Gestation Heme oxygenase 1 Knockout Mouse Embryos.	80
P-60	Priya Singh	Behavioural and Metabolic Perturbations in PTSD	83

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



P-61	Priya Yadav	Targeting Sperm Activating Proteins to Devise Biorational Modalities to Couple with Inherited Sterility (Is) Technique for Controlling a Serious Polyphagous Pest <i>Spodoptera Litura</i> (Fabr.) [Lepidoptera: Noctuidae]	84-85
P-62	Priyanka	Exploring Fibrillin 1 Gene and its Product Asprosin in Spotted Snakehead <i>Channa punctata</i>	86
P-63	Pukhrambam Pushpa Devi	Effect of Groundnut bud necrosis virus on the Developmental Period on its Vector (<i>Thrips palmi</i>) and Non-Vector Species (<i>Thrips tabaci</i>)	87
P-65	R.K. Negi	Gut Microbiome of Freshwater Fish	89
P-66	Rani Kumari	Therapeutic Potential of <i>Tinospora cordifolia</i> : Multiple Effects on Lymphoma-Induced Neovascularization	90
P-67	Rituparna Basak	Testis-specific Estrogen Receptor Subtypes in Spotted Snakehead <i>Channa punctata</i> : Reproductive Phase-dependent Expression and Gonadotropic Regulation	91
P-90	Ritu Narwal	Role of Serotonin and Dopamine in Regulation of Reproductive Cycle in the Freshwater Murrel, <i>Channa punctatus</i> (Bloch)	115
P-68	Saima Syeda	Tumor-Derived Exosomes as a Salient Protagonist in Mediating Pro-Tumoral Activation of Macrophages	92
P-70	Shagun Sharma	Role of Wnt/ β -catenin Signalling in <i>M. fortuitum</i> -Induced CNS Tuberculosis	94

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



P-73	Simran Arora	Role of host irradiation on the viability of entomopathogenic nematode, <i>Steinernema thermophilum</i> and their potential as an adjuvant to F ₁ sterility technique against a polyphagous pest, <i>Spodoptera litura</i> (Fabr.)	97
P-80	Sushmita Ghosh	Comparative Genomics Approach for Identification of Drug Resistance Markers in <i>Leishmania</i>	105
P-83	Tejveer Singh	Development of Plant Derived Anti-Cervical Cancer and Anti-HPV Therapeutics	108
P-84	Twinkle Batra	Illuminated Night Negatively Affects Sleep and Associated Hypothalamic Gene Expressions in Diurnal Zebra Finches	109
P-85	Vishal Sharma	Gut Metabolites Dysbiosis in Tuberculosis Patients	110
P-86	Vishesh Chauhan	Hypothalamic Neuropeptide Y in Wall Lizard	111
P-87	Yashankita	Cloning and Expression of the Chicken Liver Glutamate Dehydrogenase (GDH) in Bacteria	112
P-6	Amrita Bakshi	Molecular Characterization of Leptin and Leptin Receptor of Spotted Snakehead <i>Channa punctata</i> : Structural, Functional and Evolutionary Analyses	27
Day-1: Online mode (01:30 to 03:30 pm)			
P-3	Akanksha Pranoty	Identification and Expression Analysis of Fgfs During Teleost Gonadal Development, Growth and Recrudescence	24
P-4	Akanksha Singh	A Study of Cellular and Molecular Mechanisms Underlying Aberrant Lipid Metabolism in Huntington's Disease (HD) Fly Model	25

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



P-10	<i>Anshu Dwivedi</i>	Lockdown as 'clock disruptor': Impact on daily behavior and mental health in Indian population	31
P-11	<i>Anupama Yadav</i>	Food Choices Matter for Birds too, Insights from Behavioral and Physiological Responses	32
P-12	<i>Anwasha Samanta</i>	Bisphenol A (BPA) Modulation of Reproductive Parameters in Perch, <i>Anabas testudineus</i>	33
P-15	<i>Avanish Kumar Shrivastav</i>	Impact of <i>Spirodela polyrhiza</i> Containing Diets on Growth, Physiology and Nutritional Composition of Common Carp <i>Cyprinus carpio</i>	36
P-17	<i>Bidisha Katak</i>	tsh- β , dio ₂ and dio ₃ mRNAs Expressions on the First Day of Photoperiodic Induction in Eurasian Tree Sparrow (<i>Passer montanus</i>)	38
P-20	<i>Debashish Khanikar</i>	Effects of Environmental Factors on Expressions of GnRH-I and GnIH mRNAs in Control of Reproductive Cycle in the Spotted Munia, <i>Lonchura punctulata</i>	41
P-23	<i>Guddu Kumar</i>	Aquatic Plants and Their Element and Fatty Acid Profiles	44
P-24	<i>Hijam Nonibala</i>	Molecular Components of Ca ⁺⁺ - And Cyclic Nucleotides-Induced Signaling Pathways in Regulation of Arylalkylamine N-Acetyltransferase2 (AANAT ₂) Gene in Photosensory Pineal Organ of the Catfish, <i>Clarias gariepinus</i>	45
P-30	<i>Komal Saksena</i>	Ascorbic Acid Inhibits Tumor Growth in DL Mice via Regulation of HDAC 1, 2 & 6 Expression	51
P-37	<i>Mamta Sajwan Khatri</i>	Molecular Mechanism and Transient Silencing of GDNF/Gfr α -1: Possible Implication on DA-Ergic System	59

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



Day-2: Online mode (02:00 to 04:00 pm)

P-39	Manish Kumar Tripathi	Triazophos Suppresses the Leucocyte Immune Responses in Freshwater Teleost, <i>Channa punctatus</i>	61
P-40	Manisha Behera	Expression of Bacteriophage Endolysins for Mitigation of Methicillin Resistant <i>Staphylococcus aureus</i> Infection	62
P-41	Manisha Priyam	Divergence Pattern of Teleost TLRs With Emphasis on their Repertoire in the Walking Catfish, <i>Clarias batrachus</i>	63
P-42	Maya Shedpure	Effect of Bedtime on Salivary Melatonin Rhythm and Chronotype in Young Human Female Volunteers	64
P-45	Muthubharathi B C	Impact of Neuro-Immune mediated regulatory mechanisms during pathogenesis in the Model Host, <i>Caenorhabditis elegans</i>	67
P-46	Neelesh Kumar	Assessment of Immunostimulatory Properties of <i>Achyranthes Aspera</i> Seeds and Leaves Supplemented Diets in <i>Clarias batrachus</i> Fry	68
P-47	Neelu Anand Jha	Long Term Consequences of Constant Bright Light Environment on Reproduction and Associated Behaviours in Zebra Finches	69
P-51	Nikhila Kulkarni	Study of Sleep Pattern during Lockdown	73
P-58	Prabhaker Sangem	Understanding Transcriptional Regulation of Gonadotropin-Releasing Hormone in the Asian Stinging Catfish, <i>Heteropneustes fossilis</i>	81
P-59	Pragya Verma	Comparative account of sleep in Adolescents and Young Adults	82
P-64	Raj Kumar	Effect of Light at Night (LAN) on Blood Biochemistry of Indian Baya Weaver	88

International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development



P-69	Santosh Winkins	Prenatal exposure to Endocrine disrupting chemicals induces anxiety-like behaviour?	93
Day-3: Online mode (01:45 to 04:00 pm)			
P-71	Shilpi Borah	Annual variations in Expression of <i>kiss1</i> , <i>kiss2</i> , <i>gnrh1</i> , <i>gnrh2</i> in the Hypothalamus and <i>lbβ</i> and <i>fshβ</i> genes in the Pituitary of an Air-breathing Catfish, <i>Clarias magur</i> under Natural Climatic Conditions	95
P-72	Shiv Shankar Singh	Melatonin ameliorates diabetes-induced oxidative stress in spleen of laboratory mice in dose dependent manner	96
P-74	Sk Kabita	Correlation between plasma GtH (LH), E ₂ and Vg (Vg ₁ and Vg ₂) levels in Catfish	98
P-75	Sonika Kar	Promoter Regulation and Expression Analysis of 11β -Hydroxylase and its Associated Factors during Spermatogenesis and After HCG Induction in Catfish	99-100
P-76	Soumyajyoti Ghosh	Bisphenol A (BPA) Exposure Modulates Ovarian Nos/NO/sGC and Nppc/Npr2 Signaling Cascades in Zebrafish (<i>Danio rerio</i>)	101
P-77	Sriparna Das	Potential Influence of Estrogen on Oxidative and Nitrosative Outburst in Macrophages	102
P-78	Subhasri Biswas	Protective Effects of Gonadotropin-Induced Steroid Biosynthesis on Follicular Redox Homeostasis and Igf Axis in Zebrafish Ovary	103
P-79	Sukh Sandan	Identification of Some Important Freshwater Zooplankton	104
P-81	Swapnil Chandrakant Supekar	Experience Window Influences Development and Retention of Memory to Recognise Predators in <i>Euphyctis cyanophlyctis</i> Tadpoles	106

International Colloquium
on
Regulatory Mechanisms underlying Behavior, Physiology and Development



P-82	Swathi Tenugu	Expression Profiling of AP-1 Family Genes, C-Jun, C-Fos and Junb in Common Carp Testis Shows Seasonal and Testosterone Dependence	107
P-91	Suneeta Yadav	Internal & External Factors Affect Reproduction in Different Ways in Japanese quail, <i>Coturnix coturnix japonica</i>	116