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Final list of papers to be presented in NCHSCMP-2019

Category: Oral (Duration = 15 mins, Presentation =12 mins, Discussion =3 mins)
Poster (Width: 90 cm ×Length: 120 cm)

SI No.	Name of presenting author	Affiliation	Title of abstract	Mode of presentation
O-1	Joy Prakash Das	Department of Physics, IIT Guwahati	Non chiral bosonization of a Luttinger Liquid	Oral
O-2	Ganesh C. Paul	Institute of Physics, Bhubaneswar	Spin-selective coupling to Majorana zero modes in mixed singlet and triplet superconducting nanowires	Oral
O-3	Swarnadeep Biswas	Dept. of Physics, Assam University	Alkylation of DNA base pairs: a DFT study	Oral
O-4	Dipraj Saikia	Department of Physics, National Institute of Technology, Nagaland	Room temperature ferromagnetism in half metallic Fe doped ZnO nanoparticles	Oral
O-5	Rituraj Dutta	Department of Physics, Tezpur University	Confinement of ions of ionic liquid in ZnBDC-MOF: investigation through XPS and scanning EXAFS	Oral
O-6	Jnanendra Upadhyay	Department of Physics Dakshin Kamrup College	Urease immobilization on glutaraldehyde treated Polypyrrole nanotubes-chitosan nanocomposite film	Oral
O-7	Deepak Gupta	Department of Physics, National Institute of Technology, Meghalaya	Structural, Modal, APT, Thermochemical, NBO, Frontier orbital and Non-linear optical analyses of N-(4-N-pentyl-oxybenzylidene)-4'-N-	Oral

			hexylaniline liquid crystal molecule	
O-8	Prashurya Pritam Mudoï	Department of Chemical Sciences, Tezpur University	Magnetic properties of a cyano bridged Ni (II)-Fe (III) heterometallic square	Oral
O-9	Rahul Bhattacharjee	Department of Physics, Tripura University	Theoretical investigation of optical properties of strontium chalcogenide doped by alkaline earth elements barium using DFT based FP-LAPW	Oral
O-10	Anup Choudhury	Department of Chemical Sciences, Tezpur University	Magnetic features of a Chiral Cyano bridged Co(II)-Fe(III) heterometallic one-dimensional Chain	Oral
O-11	Rangaraj Bhattacharjee	Department of Radiology, GMCH & attached to Dept. of Radiation Oncology, Gauhati Medical College	The mechanisms of radiation induced effects in human beings explicated in the realms of target theory and linear quadratic model	Oral
O-12	Dheeraj Dulhani	School of Physics, Devi Ahilya University, Indore	Affecting ‘Scaling Down Limit’ by the means of the Fermi Energy in Conventional Split Ring Resonator Structured Metamaterials	Oral
O-13	Homen Lahan	Department of Physics, Tezpur University	MoO ₃ as an anode material for rechargeable aqueous aluminum-ion batteries	Oral
O-14	Priyanki Kalita	Department of Physics, National Institute of Technology Meghalaya	Liquid crystal and its applications in the field of biosensors	Oral
O-15	Sudarshan Gogoi	Department of Chemical Sciences, Tezpur University	Covalent Immobilization of Chitosan on 11-Mercaptoundecanoic Acid Self-assembled Monolayer on Gold: a Versatile Interface for Monitoring Biomolecular Interactions	Oral

O-16	Nayan Mani Nath	Department of Physics, Barnagar College, Sorbhog	On Memristance and Hall resistance of thin film	Oral
O-17	Saurabh J. Hazarika	Department of Physics, Tezpur University	Mechanical and wettability features of inorganic fullerene (IF)-type Tungsten Disulfide (WS ₂) nanoparticles dispersed in polymer hosts	Oral
O-18	L. Bokatial	Department of Physics, North Lakhimpur College	Energy transfer between Tb ³⁺ and Sm ³⁺ in CdS nanoparticles doped sol-gel silica glasses	Oral
O-19	S. K. Jena	Department of Physics, Indian Institute of Technology Guwahati	Crystal Structural and Micro Raman Studies of Mg _{1-x} Ni _x O Solid Solutions	Oral
O-20	Bijoy Sankar Boruah	Department of Physics, Tezpur University	An optical fiber based localized surface plasmon resonance sensor for selective and sensitive detection of lead ions in aqueous medium	Oral
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