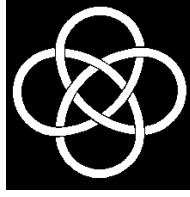


IUCAA



INTER-UNIVERSITY CENTRE FOR ASTRONOMY AND ASTROPHYSICS
(An Autonomous Institution of the University Grants Commission)

VISITING ASSOCIATES (Current List)

Last updated on October 5, 2018

Total No. 168

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
1.	Professor Dharam Vir Ahluwalia Department of Physics IIT Guwahati North Guwahati - 781039 Assam	Phone : 9717594829 (M) E-mail : d.v.ahluwalia@iitg.ernet.in ahluwalia@associates.iucaa.in	Mass dimension one fermions, dark matter, interface of the quantum and gravitational realms, neutrino oscillations, gravitationally-induced phases.
2.	Prof. Farooq Ahmad Department of Physics, Central University of Kashmir Sonwarx Campus Srinagar- 190 004	Phone (0194) 2315296 (O) (0194) 2300737 (R) 919419071977 (M) E-mail : farphy@kashmiruniversity.ac.in ahmad@associates.iucaa.in	Cosmology and Gravitational Galaxy Clustering.
3.	Dr. Gazi Ameen Ahmed Department of Physics Tezpur University Napaam, Tezpur -784 028 Assam	Phone : (03712) 275556 (O) 9435014377 (M) Fax : (03712) 267006 E-mail : gazi@tezu.ernet.in, gazi@associates.iucaa.in	Development of light scattering theories, Development of experimental setups using laser based instrumentation.
4.	Dr. G. Ambika Chair, Physics and Dean, Academics, Indian Institute of Science Education and Research (IISER) Transit Campus, Sree Rama Engineering College, Karkambadi Road, Mangalam, Tirupati - 517 507.	Phone : (0877) 2500230 (O) 9890463122 / 0-8772500230 (M) E-mail : ambika@associates.iucaa.in, g.ambika@iisertirupati.ac.in	Nonlinear Dynamics and Chaos.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
5.	Dr. Rizwan Ul-Haq Ansari Department of Physics School of Sciences Education and Training Building Maulana Azad National Urdu University, Gachibowli Hyderabad - 500 032 Telangana	Phone : (040) 23008323 (O) 23536000 (R) 9490315023 (M) E-mail : rizwanans@gmail.com	Cosmology, Early Universe and Inflation, Cosmological Perturbation theory, Study of perturbations in dark energy, Braneworld Cosmology, late time acceleration of the universe.
6.	Prof. Bijan Kumar Bagchi Department of Applied Mathematics University of Calcutta 92, Acharya Prafulla Chandra Road, Kolkatta - 700 009, West Bengal	Phone : (033) 23508386/1397, Extn. 450/451(O) (033) 23555601, 65452188 9874744141 (M) Fax : (033) 23519755, 22413222 E-mail : bbagchi123@rediffmail.com	Gravity and Entropy from non-Hermitian perspective.
7.	Dr. Tanwi Bandyopadhyay Mathematics Adani Institute of Infrastructure Engineering Shantigram Township, Near SGVP Circle, Sarkhej-Gandhinagar Highway, P.O. Adalaj Ahmedabad - 382421 Gujarat	Phone : (079) 25558798 (O) 9925967683 (M) E-mail : tanwib@gmail.com tanwi@associates.iucaa.in	Gravitation, Cosmology.
8.	Dr. Arunima Banerjee Indian Institute of Science Education and Research (IISER) Tirupati C/o Sree Rama Engineering College (Transit Campus) Rami Reddy Nagar, Karakambadi Road Mangalam (P.O.) Tirupati - 517 507 Andhra Pradesh	Phone : (0877) 2500400 (O) E-mail : arunima.physics@gmail.com	The development of a coherent theory of the formation and evolution of galaxies, based on observational surveys of galaxies throughout the universe as well as computer simulations of the key physical processes at play during galaxy formation, is one of the central goals of contemporary astrophysics.
9.	Dr. Shyamal Kumar Banerjee Department of Mathematics Centre for Engineering Studies University of Petroleum and Energy Studies, Bidholi Campus Dehradun 248 007, Uttaranchal	Phone : 9760818302 (M) Fax : (0120) 2432200 E-mail : skbanerjee@ddn.upes.ac.in, skb@associates.iucaa.in	General Relativity, Cosmology.
10.	Dr. Sarmistha Banik Department of Physics BITS Pilani, Hyderabad Campus Hyderabad -500 078	Phone : (040) 66303593 (O) E-mail : sarmistha.b@gmail.com sarmistha@associates.iucaa.in	Nuclear Astrophysics, Neutron Stars, Supernova explosion, Gravitational Waves.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
11.	Dr. Prasad Basu Cotton College State University College Hostel Road Panbazar Guwahati - 781 001 Assam	Phone : (033) 25850641 (R) 8116819083 (M) E-mail : prasadcsp@gmail.com pbasu@associates.iucaa.in	Black hole accretion, gravitational waves, etc.
12.	Dr. Piyali Bhar Department of Mathematics, Government General Degree College, Singur, P.O Jalaghata, Hooghly -712409 West Bengal	Phone : (033) 26300126 (O) 8116754967 (M) Email:piyalibhar90@gmail.com	My major research area is General theory of relativity and modified gravity. My areas of research interest are exact solutions of Einstein Field Equations, Modeling of compact Star, Black hole, Wormhole and Gravastar model. Presently I have focused my attention to the study on compact objects and wormhole model using modified theory of Gravitation and compare the result with General theory of relativity. I am also interested to study the effect of pressure anisotropy and inclusion of charge to the space-time of compact star and wormhole in modified theory of gravitation and gravitational lensing phenomenon, i.e. deflection of light by the wormhole that offers a good possibility to detect the presence of a wormhole.
13.	Prof. Naseer Iqbal Bhat P.G. Department of Physics University of Kashmir, Hazratbal Srinagar 190 006 Jammu and Kashmir	Phone : (0194) 2420078, Extn. 2184, 2185 (O) 9419079191 (M) Fax : (0194) 2421357 E-mail : dni_phtr@kashmiruniversity.ac.in, iqbal@associates.iucaa.in	Observational Astronomy, Binary Stars, Variable Stars .
14.	Dr. Debbijoy Bhattacharya Manipal Centre for Natural Sciences Manipal University Manipal 576104, Karnataka	Phone : 92820 - 2923571 (O) 919886895185 (M) Fax : (0820) 2570062 E-mail : debbijoy@gmail.com, debbijoy@associates.iucaa.in iqbal@associates.iucaa.in	General Relativity, Astrophysics, Cosmic Strings.
15.	Dr. Ritabrata Biswas Department of Mathematics The University of Burdwan, Golapbag, Burdwan, West Bengal - 713104	Phone : 9474341036 (R) 7407206393 (M) E-mail : biswas.ritabrata@gmail.com	Dark energy, Quantum cosmology.
16.	Dr. Debasish Borah Department of Physics Indian Institute of Technology Guwahati Assam - 781039	Phone : 7896705801 (M) E-mail : debasish.phy19@gmail.com debasish@associates.iucaa.in	Neutrino masses, leptonic mixing, lepton flavor violation, dark matter model building, dark matter indirect detection signatures, connecting dark matter with neutrino physics, origin of matter antimatter asymmetry.
17.	Dr. Koushik Chakraborty, West Bengal Educational Service, Department of Physics, West Bengal State University, West Bengal- 712103	Phone : (033) 26802085 (O) (033) 25520674 (R) 9874134091 (M) E-mail : kchakraborty28@yahoo.com koushik@associates.iucaa.in	General Theory of Relativity.
18.	Prof. Subenoy Chakraborty Department of Mathematics Jadavpur University Kolkata - 700 032	Phone : (033) 24146717 (O) (033) 26845638 (R) 9433356784 (M) E-mail : subenoy@associates.iucaa.in, subenoyc@yahoo.co.in,	Mathematical Physics, Quantum Mechanics, Relativity, Cosmology.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
19.	Dr. Nand Kumar Chakradhari Pt. Ravishankar Shukla University, Raipur - 492 010 Chattisgarh	Phone : (0771) 2262864 (O) E-mail : nkchakradhari@gmail.com nkchakradhari@associates.iucaa.in	Supernovae, Chemically Peculiar Stars, Variable stars, Galaxies.
20.	Dr. Ramesh Chandra Department of Physics DSB Campus Kumaun University Nainital - 263 002 Uttarakhand	Phone : (05942) 237450 (O) (05942) 231497 (R) 9690681836 (M) Fax : (05942) 237450 E-mail : rchandra.ntl@gmail.com rchandra@associates.iucaa.in	Multiwavelength study of Solar flares, Solar eruptive events.
21.	Prof. Suresh Chandra Amity Center for Astronomy & Astrophysics Amity Institute of Applied Sciences Amity University Campus, Sector - 125, Noida 201313, U.P.	Phone : 9818005663 (M) E-mail : sch@associates.iucaa.in, suresh492000@yahoo.co.in	Solar Physics, Interstellar Molecular Clouds.
22.	Dr. Ayan Chatterjee Department of Physics Central University of Himachal Pradesh Temporary Academic Block Kangra – 176206 Himachal Pradesh	Phone : (01892) 237285 (O) 9736863853(M) E-mail : ayan.theory@gmail.com ayan_theory@associates.iucaa.in	Black hole physics.
23.	Dr. Ritaban Chatterjee Department of Physics Presidency University, 86/1 College Street Kolkata- 700 073	Phone : 8017447597 (M) E-mail : ritaban.physics@presiuniv.ac.in	Structure and dynamics of accreting black hole systems.
24.	Dr. Suchetana Chatterjee Department of Physics, Presidency University 86/1 College Street Kolkata -700 073	Phone : 9163003206 (M) E-mail : suchetana.physics@presiuniv.ac.in	CMB, AGN, etc.
25.	Prof. Asis Kumar Chattopadhyay Department of Statistics Calcutta University 35, Ballygunge, Circular Road Kolkata - 700 019.	Phone : (033) 24614969/4981/5277/5445 (O) (033) 25511850 (R) 9831985850 (M) Fax : (033) 24764419 E-mail : akcstat@gmail.com	Star and Galaxy Formation, Analysis of Astronomical Data using Statistical Tools.
26.	Dr. Surajit Chattopadhyay Dept of Mathematics Amity University, Kolkata Major Arterial Road, Action Area II, Rajarhat, New Town, Kolkata, West Bengal 700135	Phone : (033) 71020304 9830736117/8240384649 (M) E-mail : surajcha@associates.iucaa.in surajit_2008@yahoo.co.in	Gravity, Thermodynamics, etc.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
27.	Dr. Tanuka Chattopadhyay Department of Applied Mathematics Calcutta University 92, A.P.C. Road Kolkata - 700 009, West Bengal.	Phone : (033) 23508386, 23501397 (O) (033) 25511850 (R) 9433648255 (M) Fax : (033) 23519755, 22413222 E-mail : tanuka@associates.iucaa.in, tanuka2008@gmail.com	Spiral Galaxies, Star Formation, Dark Matter.
28.	Dr. Raghavendra Chaubey DST-Centre for Interdisciplinary Mathematical Sciences Faculty of Science Banaras Hindu University Varanasi- 221005	Phone : (0542) 2369337 (O) 9919267475 (M) E-mail : rchaubey@bhu.ac.in,	
29.	Prof. Bhag Chand Chauhan Central University of Himachal Pradesh (CUHP) Dharamshala, Dist. Kangra, Himachal Pradesh- 176 215	Phone : (01892) 237285 (O) 9418472694 (M) E-mail : bcawake@gmail.com	Neutrinos in A&A and Cosmology.
30.	Dr. Laxmikant Chaware Centre for Basic Sciences, Behind University Auditorium, University Campus, Pt. Ravishankar Shukla University, Raipur - 492010	Phone : (0771) – 2262216 (O) 9926555788(M) Email :chaware.laxmikant@gmail.com	<small>M) area of research interest (1)Galaxy morphology (2) studying isophotal shapes of galaxies at inter surface brightness levels (3) Study of Low Surface Brightness galaxies (4) Study of dust in early-type galaxies. Observational Experience: (1)Spectroscopic observation of galaxies using multi-fiber spectroscopy AOMega on 4m Anglo-Australian Telescope (AAST) in service mode (2) Broad band optical, Near infrared and narrow band H-alpha imaging observations of galaxies using 2m Himalayan Chandra Telescope (Indian Astronomical Observatory, Haridwar) (3) Narrow band H-alpha imaging observations from 2m telescope at I.C.C.A. Girawali Observatory Data reduction and analysis experience: (1) Data reduction and analysis of images obtained using Large Format Camera (LFC) on 5m Hale telescope (Palomar), NIR images from 2m NTT (ESO), images from 2m telescope at I.C.C.A. Girawali Observatory, images from 2m IRT (Hawaii) (2) Data reduction and analysis of Spectra obtained using multi-fiber spectroscopy A AOMega on 4m Anglo-Australian Telescope (3) 2D bulge-disk decomposition (4) Redshift determination (5) Stellar population synthesis (6) Detection and analysis of dust in early-type galaxies</small>
31.	Dr. Himadri Sekhar Das Department of Physics Assam University Silchar - 788011 Assam	Phone : (03842) 270843 (O) 9435176013 (M) Fax : (03842) 270802, 270806 E-mail : hsdas@associates.iucaa.in, himsekhar13@yahoo.co.in	Polarization due to Light Scattering, Cometary, Interplanetary and Interstellar Dusts, etc.
32.	Dr. Sudipta Das Department of Physics , Visva-Bharati, Santiniketan - 731 235.	Phone : 9433203643 (M) E-mail : sudipta.das.m@gmail.com sudipta.das@visva-bharati.ac.in	Cosmology and Gravitation.
33.	Dr. Dhurjati Prasad Datta Department of Mathematics University of North Bengal P.O. North Bengal University Raja Rammohunpur Dist. Darjeeling West Bengal -734 013	Phone : (0353) 2776383 (O) 9434377365 (M) Fax : (0353) 2776383 E-mail : dp_datta@yahoo.com dpdatta@associates.iucaa.in	Mathematical physics, Differential equations, Dynamical systems.
34.	Dr. Abhirup Datta Centre Of Astronomy, Indian Institute of Technology Indore, Simrol, Khandwa Road, Indore- 453552, Madhya Pradesh.	Phone : (0731) 2438-948/960 (O) 8518886478 (M) E-mail : abhirup.datta@iiti.ac.in	Radio astronomy, Aperture Synthesis, Imaging and Calibration, High redshift galaxy, etc.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
35.	Dr. Kanan Kumar Datta Dept. of Physics, Presidency University, 86/1 College Street, Kolkata - 700073.	Phone : 8697653659 (M) E-mail : datta.kanan@gmail.com kanan.physics@presiuniv.ac.in	Cosmology, Cosmic Reionization, 21-cm signal, Radio astronomy, post reionization with HI.
36.	Dr. Sukanta Deb Department of Physics, Cotton College State University, Guwahati-781001, Assam	Phone : (0361) 2733512 (O) 9810362087 (M) E-mail : sukantodeb@gmail.com sdeb@associates.iucaa.in	Automated classification of variable stars, astronomical photometry and spectroscopy of variable stars, light curve modeling, etc.
37.	Dr. Ujjal Debnath Department of Mathematics Indian Institute of Engineering Science and Technology, Botanical Garden P.O., Shibpur Howrah - 711 103, West Bengal	Phone : (033) 26684561, 62, 63, 26680521, Extn. 562 (O) (03216) 236567 (R) 9433353462 (M) Fax : (033) 26682916, 4564 E-mail : ujjaldebnath@yahoo.com, ujjal@associates.iucaa.in	Cosmological Models, Study of Singularities
38.	Dr. Shantanu Desai Department of Physics IIT Hyderabad Kandi, Sangareddy - 502 285 Telangana	Phone : (040) 23016173 (O) E-mail : shantanud@iith.ac.in shntn05@gmail.com	Particle Astrophysics, Gravitational Wave Astronomy, Observational Cosmology and Galaxy Clusters, Astrostatistics
39.	Dr. (Ms.) Atri Deshamukhya Department of Physics Assam University Silchar- 788004, Assam	Phone : (03842) 270843(O) (03842) 267729 (R) 9954041961 (M) E-mail : atri_d@yahoo.com	Cosmology
40.	Dr. S. Dev Department of Physics School of Sciences H.N. Bahuguna Garhwal Central University Srinagar Uttarakhand -246174	Phone : (01346) 252331 (O) (01346) 250884 (R) 9418075655 (M) E-mail : dev5703@yahoo.com, sdev@associates.iucaa.in	Neutrino Physics and Astrophysics.
41.	Dr. Shanti Priya Devarapalli Department of Astronomy, University College of Science, Osmania University Hyderabad- 500007 Telangana	Phone : (040) – 27682247 (O) (040) – 23340266 (R) 9160434604 (M) E-mail : astroshanti@gmail.com	Observational study of Binaries, SdBs, Astroseismology and Exoplanet studies.
42.	Dr. Anoubam Seniorita Devi Department of Physics, Assam University, Silchar - 788011	Phone : (03842)- 270843 (O) 91-8011543868 (M) E-mail : seniorita.anoubam@gmail.com	my main research area is high energy astrophysics, mainly dealing with X-ray satellite observed data analysis and studying the spectral and temporal properties of various kinds of X-ray sources including X-ray binaries, Ultraluminous X-ray sources etc.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
43.	Prof. Jishnu Dey Department of Physics Presidency University 86/1, College Street Kolkata - 700 073	Phone : (033) 22411977, 22198372 (O) (033) 23379191 (R) E-mail : jishnu@associates.iucaa.in, jishnu.dey@gmail.com	Particle Physics, Phenomenological Aspects of QCD.
44.	Prof. Mira Dey Department of Physics Presidency University 86/1, College Street Kolkata - 700 073	Phone : (033) 22411977, 22198372 (O) (033) 23379191 (R) 9433091901 (M) E-mail : mira.dey@gmail.com mira@associates.iucaa.in	Phenomenological Aspects of QCD.
45.	Prof. Vijayakumar Honnappa Doddamani Department of Physics, Astrophysics Section, J B Campus, Bangalore University Bengaluru - 560056 Karnataka	Phone : (080) – 22961484 (O) 9448673274 / 9481300346(M) E-mail : drvkdmani@gmail.com	<small>emit very high thermal and non-thermal radiation from unresolved compact nuclear regions called Active Galactic Nuclei (AGNs). Hence, AGNs are the most luminous objects in the universe. The nuclei of the active galaxies are very compact ($r < 10^{14}$ cm, Edelson et al. 1996) and generate copious amount of energy mostly constant over the entire electromagnetic spectrum. An important property of AGN spectra involves the observation of both high and low ionization lines (Hβ and Hδ). Low and high ionization lines we mean that these lines are emitted by ions species with ionization potential (IP) $\mu\text{eV} > 20$ eV (O I, Mg II, C II, Fe II, Ca II) and with high IP $\mu\text{eV} < 40$ eV (C IV, NV) respectively (Marziani P. 2014). Active galaxies have been broadly classified into different types based on their luminosity, emission line properties, appearance and variability characteristics into Seyfert and Seyfert2 galaxies, HII regions, LINERS, Quasars, Blazars and Lyman Break Galaxies, etc. The physics of the diversification of AGNs, spectral properties (rapid, small and large amplitude line and continuum variability) is not well understood. During my tenure as associate, I would like to carry out optical/UVN-ray spectroscopic studies of Seyfert galaxies and quasars.</small>
46.	Dr. Broja Gopal Dutta Department of Physics Rishi Bankim Chandra College (West Bengal State University) East Kantalpara, Naihati, North 24 Parganas, West Bengal - 743 165	Phone : (03220) 249227 : 9433413402 (M) E-mail : brojadutta@gmail.com broja@associates.iucaa.in	Astrophysics.
47.	Dr. Jibitesh Dutta Department of Basic Sciences and Social Sciences School of Technology North-Eastern Hill University Mawkynroh-Umshing Mawlai Shillong -793 022 Meghalaya	Phone : (0364) 2723659 (O) 2231147 (R) 9863021745 (M) E-mail : jddutta29@gmail.com jddutta@associates.iucaa.in	Gravitational Thermodynamics in Modified Gravity Theories, Dynamical Systems in Modified Gravity based Cosmology .
48.	Dr. Sukanta Dutta High Energy Physics and Cosmology Laboratory Department of Physics Sri Guru Tegh Bahadur Khalsa College University of Delhi Delhi -110007	Phone : (011) 27667469(O) (011) 41764214 (R) 9811687970 (M) E-mail : sukanta.dutta@gmail.com sdutta@associates.iucaa.in	High Energy Physics, Astroparticle Physics and Cosmology.
49.	Dr. Sunandan Gangopadhyay Department of Theoretical Sciences, S.N. Bose National Centre for Basic Sciences, J.D. Block, Sector-III, Salt Lake City, Kolkata - 700 106.	Phone : 9830124471 (M) E-mail : sunandan.gangopadhyay@gmail.com	Noncommutativity in String theory, Constrained Hamiltonian dynamics, etc.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
50.	Dr. Gurudatt Gaur Institute of Advanced Research (The Puri Foundation for Education in India), Koba Institutional Area Gandhinagar, Gujarat - 382 426.	Phone : (079) 30514366 (O) 9537672348 (M) E-mail : gurudattgaur@gmail.com gurudutt@associates.iucaa.in	Gravitational wave physics, Detector characterization and veto development for gravitational wave searches. Gravitational wave astronomy.
51.	Dr. Suman Ghosh Department of Physics, Indira Gandhi National Tribal University Amarkantak- 484887 Madhya Pradesh	Phone: 09433907900 (M) E-mail : smnphy@gmail.com	Gravitation, quantum field theory in curved space, astrophysics and cosmology
52.	Prof. Sushant G. Ghosh Centre for Theoretical Physics Jamia Millia Islamia Maulana Mohammed Ali Jauhar Marg New Delhi- 110 025	Phone : (011) 26984830 (O) (0129) 4080101 (R) 9971348628 (M) Fax : (011) 26981753 E-mail: sgghosh@associates.iucaa.in, sgghosh@gmail.com	General Relativity, Cosmology.
53.	Dr. Sutapa Ghosh Department Of Physics, Barasat Govt. College Kolkata, West Bengal	Phone : (033)25523365 (O) 9477251168 (M) E-mail : neutronstar12@yahoo.co.in sutapa@associates.iucaa.in	Some Studies on Magnetic Properties of Dense Stellar Matter. •
54.	Dr. Tuhin Ghosh School of Physical Sciences, National Institute of Science Education and Research Khurda -752050 Odisha	Phone:- 6742494292 8847858187 (M) E-mail : tghosh@niser.ac.in	Cosmology with Cosmic Microwave Background radiation and thermal Sunyaev-Zeldovich effect. Detection of the primordial gravitational waves from early Universe and physics of the interstellar medium.
55.	Dr. Rupjyoti Gogoi Department of Physics Tezpur University Napaam Tezpur- 784028	Phone : (03712) 275577 (O) (03712) 273822 (R) 9435559488 (M) E-mail : gogoi@associates.iucaa.in rupjyotigogoi@gmail.com	Infrared studies of nearby galaxies.
56.	Dr. Gaurav Goswami School of Engineering and Applied Science Ahmedabad University GICI Building, Central Campus Navrangpura Ahmedabad - 380 009.	Phone : (079) 61911171 (O) E-mail : gaurav.goswami@ahduni.edu.in	Interface of cosmology and high energy physics.
57.	Dr. Umananda Dev Goswami Department of Physics Dibrugarh University Dibrugarh -786 004 Assam	Phone : (0373) 2370224 (O) 9435618206 (M) E-mail : umananda2@gmail.com umananda@associates.iucaa.in	Theoretical and experimental astroparticle physics, Astronomy, astrophysics and cosmology.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
58.	Dr. Shivappa Bharamappa Gudennavar Department Of Physics, Christ University, Bengaluru- 560 029 Karnataka.	Phone : (080) 40129387 (O) 9448002580 (M) Fax : (080) 40129000 E-mail : shivappa.b.gudennavar@christuniversity.in shivappa@associates.iucaa.in	Interstellar medium, Extragalactic astronomy.
59.	Dr. Sarbari Guha Department of Physics St. Xavier's College 30, Park Street Kolkata - 700 016	Phone : (033) 22877278, 22801927 (O) 9231665828 (M) Fax : (033) 22879966 E-mail : srayguha@yahoo.com, guha@associates.iucaa.in	General Relativity and Cosmology.
60.	Dr. K.P. Harikrishnan Department of Physics The Cochin College Kochi - 682 002, Kerala	Phone : (0484) 2224954 (O) (0484) 4042990 (R); 99477 71354 (M) Fax : (0484) 2577595 E-mail : kph@associates.iucaa.in kp_hk2002@yahoo.co.in	Chaos in Nonlinear Dynamical Systems.
61.	Dr. Priya Hasan Department of Physics Maulana Azad National Urdu University, Gachibowli, Hyderabad- 500 032. Telangana	Phone : (040) 23006612-15 (O) 23306959 (R) 9701811881 (M) E-mail : priya.hasan@gmail.com priya@associates.iucaa.in	Star clusters, Star formation, Photometry, Image processing.
62.	Dr. Sk Monowar Hossein Department of Mathematics Aliah University IIA/27 New Town Kolkata - 700156	Phone : (033) 8584853818(O) (033) 8334846047 (R) 9432182142 (M) E-mail : sami_milu@yahoo.co.uk hossein@associates.iucaa.in	
63.	Dr. Ngangbam Ibohal Department of Mathematics University of Manipur, Canchipur Imphal - 795 003, Manipur	Phone : (0385) 2435126 (O) 9612968372/9402881904 (M) Fax : (0385) 2435145 E-mail : ngibohal@associates.iucaa.in, ngibohal@rediffmail.com	General Relativity and Gravitation.
64.	Dr. K. Indulekha School of Pure and Applied Physics, Mahatma Gandhi University, Kottayam- 686 560 Kerala	Phone : (0481) 2731043 (O) (0481) 2732318 (R) 93495 00776 (M) E-mail : kindulekha@gmail.com indu@associates.iucaa.in	Open Clusters, Kinematics.
65.	Prof. S.N.A. Jaaffrey Department of Physics Pacific Academy of Higher Education and Research University, Udaipur - 313 001, Rajasthan	Phone : 7665017783 (O) (0294) 2485191 (R) 9983505675 (M) Fax : (0294) 2471150 E-mail : jaaffrey@gmail.com jaaffrey@associates.iucaa.in	X-ray Astronomy, Pulsars, Quasars, AGN, and Blackholes.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
66.	Dr. Joe Jacob Department of Physics Newman College Thodupuzha - 685 585 Kerala	Phone : (04862) 226086 (O) (04862) 220408 (R), 9846015011 (M) E-mail : drjoephysics@yahoo.co.in, joe@associates.iucaa.in	Microwave and Radio Wave Radiations, Microwave Imaging and Antennas.
67.	Dr. Deepak Jain Department of Physics, Deen Dayal Upadhyaya College, (University of Delhi) Sector-3, Dwarka New Delhi -110 078 <i>Address for correspondence:</i> 91, Bhagirathi Apartments, Sector 9, Rohini, Delhi - 110 085	Phone : (011) 25099381 Fax : (011) 25099380 (O) (011) 27865102 (R) E-mail : djain@ddu.du.ac.in, djain@associates.iucaa.in	Cosmology and Gravitational Lensing.
68.	Dr. Rajeev Kumar Jain Dept. Of Physics, Indian Institute of Science, Bangalore- 560012 Karnataka	Phone: (080) - 2293 3618 (O) E-mail: rkjain@iisc.ac.in	Theoretical cosmology, Inflation and alternatives, Cosmic Microwave Background, Primordial magnetic fields, Non- gaussianities, Effective field theory of gravity, Modified gravity, Dark energy
69.	Dr. Sanjay Jhingan Centre for Theoretical Physics Jamia Millia Islamia Maulana Mohammed Ali Jauhar Marg, Jamia Nagar, New Delhi -110 025	Phone : 8155 - 2241350 (O) 011 - 22241375 (R) Fax : (011) 26981753 E-mail : sanjay.jhingan@gmail.com, sjhingan@associates.iucaa.in	Gravitation Physics, and Applications to Astrophysics and Cosmology.
70.	Dr. Charles Jose Department of Physics Cochin University of Science and Technology (CUSAT) South Kalamassery, Kalamassery, Kochi, Kerala 682022	Phone : 0484 257 7290 (O) 8606434507 (M) E-mail : charlesmanimala@gmail.com	Cosmology, large scale structures in the universe, Probes of fundamental physics using cosmology, etc.
71.	Dr. Jessie Jose IISER Tirupati, Karakambadi Road, Mangalam P.O - 517507	Phone : 9945402801 (M) E-mail: jessyvjose1@gmail.com	Observational Astronomy, Star formation, HII regions Feedback mechanisms, Brown dwarfs and free-floating planetary mass objects in the solar neighborhood
72.	Dr. Kanti R. Jotania Department of Physics Faculty of Science The M.S. University of Baroda Fatehgunj, Vadodara - 390 002 Gujarat	Phone : (0265) 2795339 (O), (079) 27683150 (R), 9825779964 (M) Fax : (0265) 2795569 E-mail : kanti@associates.iucaa.in, kanti.jotania@gmail.com	Observational Astronomy, Gravitational Waves, Theoretical Astrophysics.
73.	Dr. Minu Joy Department of Physics Alphonso College, Arunavaram PO 686 574 Pala, Kerala	Phone : (04822) 213033 (R) : 9747930507 (M) E-mail : minujoy@gmail.com minu@associates.iucaa.in	Cosmology and Quantum Gravity, Cosmological Perturbation.
74.	Dr. Jeena K. Department of Physics Providence Women's College Malaparamba (P.O) Calicut- 673009	Phone: (0495) – 2371696 9495658547 (M) E-mail :jeenakarunakaran@gmail.com	Multi Wavelength Study Of Ultraluminous X-Ray Sources(Ulxs), Agns, Blazars, Spectral And Timing Studies Of Agns, X-Ray Data Analysis

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
75.	Dr. Md. Mehedi Kalam Department of Physics Aliah University IIA/27, New Town Kolkata - 700 156	Phone : (033) 27062271(O) 9433487900 (R) 9836363707 (M) E-mail : mehedikalam@yahoo.co.in kalam@associates.iucaa.in	Relativity, Cosmology, Topological Defects, Wormhole and Blackhole Physics.
76.	Dr. Nandita L. Kalita Girijananda Chowdhury Institute of Management and Technology Guwahati NH-37, Hatkhowapara, Azara Guwahati - 781 017 Assam	Phone : (0361) 2843404 (O) E-mail : nandita_lahkar@rediffmail.com	Stellar astrophysics, particularly in problems related to element synthesis during supernovae.
77.	Dr. Sanjeev Kalita Department Of Physics, Gauhati University, Guwahati-781014 Assam	Phone : (0361) 2570531 (O) 9864087304 (M) E-mail : sanjeevkalita1@ymail.com skalita@associates.iucaa.in	Cosmology.
78.	Prof. L.N. Katkar Head, Department of Physics Shivaji University Kolhapur - 416004 Maharashtra <i>Address for correspondence :</i> 203, Archies Residence, Ring Road, Near Ram Mangal Sanskruti Bhavan, Ingale Nagar Kolhapur - 416 008.	Phone : (0231) 2609219 (O) 9167399335 (M) E-mail : lnk1000@yahoo.com katkar@associates.iucaa.in	General Relativity.
79.	Dr. Nishikanta Khandai School of Physical Sciences, NISER Bhubaneswar 752050	Phone: (674)- 2494305 (O) 8249398879 (M) E-mail: nkhandai@gmail.com	Cosmology, Large Scale Structure, Cosmological Simulations, Active Galactic Nuclei and Galaxy Formation, Intergalactic Medium, 21cm line as a probe
80.	Dr. Ram Kishor Department of Mathematics, Central University of Rajasthan, NH-8, Bandarsindari, Kishangarh AJMER- 305817 Rajasthan	Phone : (01463) 238755(O) 9166269698 (M) E-mail : kishor_math@curaj.ac.in rkishor@associates.iucaa.in	Celestial Mechanics: Mission Design under the influence of Perturbations 2. Nonlinear Dynamics and Chaos 3. Dynamical System- Solar system and Extra solar systems.
81.	Prof. Arun V. Kulkarni BITS-Pilani, KKB-GOA Campus NH-17B Bypass, Zuarinagar Vasco - 403 726, Goa.	Phone : (0832) 2580 309 (O) (0832) 2580 502 (R) 9422971148 (M) E-mail : avkbits@goa.bits-pilani.ac.in avk@associates.iucaa.in	Nuclear Physics, Theoretical Physics, Numerical E&M, Physics teaching.
82.	Dr. Nagendra Kumar Department of Mathematics M.M.H. College Ghaziabad -201 009 Uttar Pradesh	Phone : (0120) 2861414 (O) (0120) 2986961(R) 9555739225 (M) E-mail : nkumar@associates.iucaa.in, nagendrakgk@rediffmail.com	MHD, Plasma Physics.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
83.	Dr. Suresh Kumar Department of Mathematics Birla Institute of Technology and Science Pilani	Phone : (01596) 515678 (O) 7725905640 (M) E-mail : sukuyd@gmail.com sureshk@associates.iucaa.in	Dark Energy Cosmology, Exact Solutions, etc.
84.	Dr. Badam Singh Kushvah Department of Applied Mathematics, Indian School of Mines, Dhanbad- 826 004 Jharkhand	Phone : (0326) 2235765 (O) (0326) 2235783(R) 9471191119 (M) E-mail : bskush@gmail.com badam@associates.iucaa.in	Celestial Mechanics.
85.	Dr. Smriti Mahajan IISER, Mohali Knowledge City, Sector 81, SAS Nagar, Manauli PO 140306	Phone : (0172) 4622730 (O) 9653792580 (M) E-mail : mahajan.smriti@gmail.com	Evolution of galaxies; Observable properties of galaxies such as mass, star formation rate and colours; Multi- wavelength surveys of nearby galaxies; Environment of galaxies; large-scale structure formation.
86.	Prof. Shiva Kumar Malapaka International Institute of Information Technology Bangalore.- 560100 Karnataka	Phone : (080) 28527627 ext147 (O) (080) 26614766 (R) 9491531716 (M) E-mail : malapaka@iiitb.ac.in kumarshiva@gmail.com	Direct Numerical SIMulations of 3D- Magnetohydrodynamic Turbulence and Hydrodynamic Turbulence, n-body simulations of planetary formation, etc.
87.	Prof. Manzoor A. Malik Department of Physics University of Kashmir Srinagar - 190 006 Jammu and Kashmir	Phone : (0194) 2420078, Extn. 2184, 2185 (O) (0194) 2421485 (R) 9419933381 (M) Fax : (0194) 2421357 E-mail : mmalik@kashmiruniversity.ac.in	Cosmological Many- Body Problems, Dark Matter, CMB.
88.	Dr. Mamta Dept. of Physics and Electronics S.G.T.B. Khalsa College University of Delhi Campus Delhi-110 007	Phone : 9818076507 (M) E-mail : mamta.phy26@gmail.com mamtad@associates.iucaa.in	Electro-weak Symmetry Breaking Mechanism, New Physics Searches at LHC.
89.	Dr. Soma Mandal Department of Physics Government Girls' General Degree College 7, Mayurbhange Road Kolkata 700 023	Phone : 9836078964 (M) E-mail : soma2778@gmail.com soma@associates.iucaa.in	X-ray astronomical data analysis, Compact objects in strong magnetic field.
90.	Dr. Titus K. Mathew Department of Physics Cochin University of Science and Technology Cochin 682 022 Kerala	Phone : (0484) 2577404 (O) (0484) 2577349 (R) 9995438460 (M) E-mail : titus@associates.iucaa.in tituskmathew@gmail.com	Bulk viscous matter and current acceleration of the universe.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
91.	Dr. Irom Ablu Meitei Department of Physics Modern College, Porompat, Imphal East - 795005 Manipur	Phone : 9402837749, 9863330936 (M) E-mail : ablu.irom@gmail.com	Astronomy and Astrophysics.
92.	Dr. Hameeda Mir Government Sri Pratap College Srinagar Jammu & Kashmir	Phone : 9469033913 (M) E-mail : hme123eda@gmail.com	Optical telescopes, Astrophotography, CCD Imaging, Data analysis.
93.	Dr. Bivudutta Mishra Department Of Mathematics, BITS- Pilani, Hyderabad Campus, Jawahar Nagar. Sameerpet Mandal, Ranga Reddy Dist. Hyderabad- 500078 Telangana	Phone : (040) 66303532 (O) 9000607523 (M) E-mail : bivudutta@gmail.com bivutta@associates.iucaa.in	Dark energy and modified gravity .
94.	Dr. Sourav Mitra Department of Physics, Surendranath College (Under Calcutta University), Kolkata - 721636	Phone: (033) – 23543876 8145360606 (M) E-mail: hisourav@gmail.com	Cosmology, Dark matter, Structure formation in the Universe, Intergalactic medium, Galaxy formation and Reionization.
95.	Dr. Kamakshya Prasad Modak Department of Physics, Brahmananda Keshab Chandra College, 111/2, B. T. Road, Bonhooghly, Kolkata - 700108. Postal :- Village - Sukharia (Shibtala), Post Office - Somra, District - Hooghly, West Bengal - 712123.	Phone: (033) – 25775878 (O) 8420146629(M) E-mail: kamakshya.modak@gmail.com	<small>My research area is mainly oriented to the study of the theoretical aspects of Dark Matter and its indirect detection. The indirect detection of DM involves detecting the particles (and their subsequent decays) or photons produced due to DM annihilations. Furthermore, there are other astrophysical hints for the existence of DM such as X-ray line from galaxy clusters, excess positron fraction in cosmic rays, self-interaction of DM from bullet cluster observation etc. Therefore, my research mainly focuses on the phenomenology of Dark Matter (DM) which includes the theoretical development for DM candidates from various viable particle physics models, various indirect searches for DM by analyzing the possible annihilation products of DM in the astrophysical sites such as Galactic Centre, galaxy clusters as also from extragalactic sources as well as constraining mass and other parameters of DM in the light of astrophysical observations and overall characteristics of DM in the universe. Other than DM physics, I have explored several other aspects of theoretical cosmology and particle physics, physics of neutron star, physics of early universe, neutron physics, inflationary scenarios and numerical relativity. My expertise is also on computational physics and numerical simulations.</small>
96.	Dr. Saptarshi Mondal Bethune College 24 Madan Pal Lane P.O. - Bhowanipur Kolkata - 700 025 West Bengal	Phone : (33) 22571712 (O) (33) 24543028 (R) 9163697689 (M) E-mail : saptarshi.stat1@gmail.com saptarshi_m@associates.iucaa.in	Globular clusters, Galaxy formation.
97.	Dr. Soumen Mondal Department of Physics, Jadavpur University, Main Campus, 188, Raja S.C. Mallick Road, Kolkata - 700 032	Phone : 8293004344 (M) E-mail : rkmrcsm@gmail.com soumen@associates.iucaa.in	Equation of state in accretion and wind flows, Gravity wave emission, etc.
98.	Prof. Pradip Mukherjee Department of Physics Barasat Government College 10, K.N.C. Road Barasat Kolkata - 700 124	Phone : (033) 25523365 (O) (033) 25386288 (R) 9433571865 (M) E-mail : mukhpradip@gmail.com pradip@associates.iucaa.in	Cosmological Perturbation Theory, High Energy Physics.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
99.	Dr. Hemwati Nandan Department of Physics Gurukula Kangri University Haridwar -249 404.	Phone : 8909916277, 9411319626 (M) Email : hnththeory@yahoo.co.in hnandan@associates.iucaa.in	Kinematics of Deformations and Geodesic Flows.
100.	Prof. Dibyendu Nandi Dean, Office of Research & Development Coordinator, Centre of Excellence in Space Sciences India (CESSI) Indian Institute of Science Education and Research, Kolkata Mohanpur -741 252 Nadia, West Bengal	Phone : 9748606215 (M) Fax : (033) 25873020 E-mail : dnandi@iiserkol.ac.in	Astrophysical Space Sciences.
101.	Dr. Kamal Kanti Nandi Department of Mathematics North Bengal University Darjeeling District Siliguri 734 013, West Bengal	Phone : (0353) 2581434 (O), (0353) 2581145 (R) Fax : (0353) 2581546 E-mail : kamalnandi1952@yahoo.co.in, kknandi@associates.iucaa.in	General Relativity, Cosmology.
102.	Dr. Rajesh Kumble Nayak Department of Physical Sciences Indian Institute of Science Education and Research (IISER) – Kolkata, Mohanpur Campus P.O. Krishi Viswavidyalaya Mohanpur- 741 252 Dist. Nadia West Bengal	Phone : 3473279137 (O) 9903507977 (M) Email : rajesh@iiserkol.ac.in rajesh.kumble.nayak@gmail.com rajesh@associates.iucaa.in	Gravitational wave data analysis, General theory of Relativity and Relativistic Astrophysics, Cosmology.
103.	Dr. Rahul Nigam Department of Physics BITS Pilani, Hyderabad Campus Jawahar Nagar Shameerpet Mandal Hyderabad -500 078	Phone : (040) 66303615 9951403087 (M) Fax : (040) 66303998 E-mail : nig.rahul@gmail.com,	Structure Formation in Universe (Halo Model), CMBR Physics, Intergalactic Magnetic field.
104.	Dr. Barun Kumar Pal Netaji Nagar College For Women, 170/13/1 N.S.C. Bose Road, Kolkata -700092, West Bengal	Phone : (033) 24116711 (O) 8902724762 (M) E-mail : terminatorbarun@gmail.com barunpal@associates.iucaa.in	Cosmological Inflation, Cosmological Perturbations, Cosmic Microwave Background Radiation, Gravitational Lensing, Primordial Gravity Waves.
105.	Dr. Biswajit Pandey Department of Physics Siksha Bhavana Visva Bharati Santiniketan- 731 235 Birbhum West Bengal	Phone : (03463) 262751 (O), (03222) 264183 (R) 7602198961 (M) E-mail : biswap@visva-bharati.ac.in biswap@associates.iucaa.in	Cosmology from the topology and morphology of large scale structures in the Universe, Testing homogeneity of the Universe, Redshift space distortions in Galaxy Redshift Surveys, 21 cm Cosmology, Large scale structure formation.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
106.	Prof. S.K. Pandey Pt. Ravishankar Shukla University Raipur - 492 010, Chhattisgarh	Phone : (0771) 2262857 (O) (0771) 2262460, 2262551 (R), 9826615336, 9424200857 (M) Fax : (0771) 2262583 E-mail : skp@associates.iucaa.in, proskp@gmail.com	Image Processing, Surface Photometry of Galaxies.
107.	Dr. Sanjay Kumar Pandey Department of Mathematics L.B.S.P.G. College Gonda 271 003 Uttar Pradesh	Phone : (05262) 232994 (O), 232631 (R) 9415176625 (M) E-mail : pandey.star@gmail.com spandey@associates.iucaa.in	Cosmology, Large Scale Structure of the Universe, Statistical analysis of Reionization and post- Λ -reionization universe with the help of 21 cm radiation.
108.	Dr. Mahadev B. Pandge Dayanand Science College Barshi Road Latur - 413 512 Maharashtra	Phone : (02382) 223929 (O) 9881340347 (M) E-mail : mbpandge@gmail.com mbpandge@associates.iucaa.in	AGN Feedback in groups and clusters of galaxies, Cluster Dynamics, Star formation, galaxy formation and evolution.
109.	Prof. P. N. Pandita Centre for High Energy Physics Indian Institute of Science C.V. Raman Avenue Bengaluru - 560 012 Karnataka	Phone : (080) 2293 2396 (O) 9436102186 (M) E-mail : ppandita@gmail.com pandita@associates.iucaa.in,	Dark Matter, Super Symmetry, Cosmology.
110.	Dr. Uma Papnoi Department of Physics, Kanoria Pg. Mahila Mahavidyalaya, Jaipur -302004 Rajasthan	Phone: (0141) – 2706672 (O) (0141)– 2359956 (R) 7838920239 (M) E-mail: uma.papnoi@gmail.com	General Relativity and Cosmology, Black holes, Black hole thermodynamics, Gravitational Lensing, Black hole shadow
111.	Dr. Rutu Parekh Dhirubhai Ambani Institute of Information and Communication Technology Near Indroda Circle Gandhinagar - 382 007 Gujarat	Phone : (079) 30510553 (O) (079) 27680514 (R) 9909902510 (M) E-mail : rutuparekh@gmail.com	Develop models, codesign methodology and cosimulation of hybrid circuits of emerging nanoelectronic devices with CMOS technology, micro / nano fabrication, low voltage low power circuits, Phase Change Memory, embedded systems and Internet of Everything.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
112.	Dr. Amit Pathak Department of Physics Banaras Hindu University Varanasi, Uttar Pradesh 221005	Phone : (03712) 267007/8/0, 275576 (O) E-mail : amitpah@gmail.com, amitp@associates.iucaa.in	Interstellar molecules and dust.
113.	Dr. Kishor Dnyandeo Patil Department of Mathematics B.D. College of Engineering Sevagram Wardha District- 442 102 Maharashtra	Phone : (02462) 229242 (O) 8308298063 (M) E-mail : kishordpatil@yahoo.com, kishor@associates.iucaa.in	General Relativity, Cosmic Censorship.
114.	Prof. Madhav K. Patil School of Physical Sciences Swami Ramanand Teerth Marathwada University Vishnupuri, Nanded - 431 606 Maharashtra	Phone : (02462) 229242 (O) 8308298063 (M) Fax : (02462) 229245 E-mail : patil@associates.iucaa.in, mkpsrtm@yahoo.co.in	Astronomy and Astrophysics, Observation.
115.	Dr. Bikash Chandra Paul Department of Physics North Bengal University Darjeeling District Siliguri - 734 013, West Bengal	Phone : (0353) 2776338, 39 (O), (0353) 2526801 (R) 9434539881 (M) Fax : (0353) 2699001 E-mail : bcpaul@associates.iucaa.in, bc_paul@hotmail.com	Astrophysics, Cosmology, General Relativity.
116.	Dr. Surajit Paul DST-INSPIRE Faculty & DST Young Scientist Fellow Department of Physics University of Pune Pune -411 007	Phone : (020) 25692678 Ext. 458 9405428606 (M) E-mail : surajit@associates.iucaa.in	Cosmological simulations of large scale structures (LSS), Galaxy cluster formation, Radio observations of LSS.
117.	Dr. Devraj Damaji Pawar R. J. College, Ghatkopar, Mumbai- 400 086	Phone : 9869458604 (M) E-mail : devrajdp@gmail.com devraj@associates.iucaa.in	X-ray astronomy.
118.	Dr. Ninan Sajeeth Philip Department of Physics St. Thomas College Kozhencherri - 689 641, Kerala	Phone : (0468) 2214566, 2213246 (O) (0469) 2660510 (R), 8149134586/ 9496552479 (M) Fax : (0468) 2215543 E-mail : nspp@associates.iucaa.in ninansajeethphilip@gmail.com	Machine Learning and Cryptography.
119.	Dr. Swarup Poria Department of Applied Mathematics, University of Calcutta 92 APC Road Kolkata - 700 009 West Bengal	Phone : (033) 23508386 (O) 9477214234 (M) E-mail : swarup_p@yahoo.com swarup@associates.iucaa.in	Nonlinear dynamics and chaos.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
120.	Dr. Ananta Charan Pradhan Department of Physics and Astronomy National Institute of Technology Rourkela -769 008 Odisha	Phone : (0661) 2462735 (O), 2463735 (R) 7894252258 (M) E-mail : acp.phy@gmail.com	
121.	Prof. Anirudh Pradhan Department of Mathematics, GLA University, Mathura -281 406 Uttar Pradesh	Phone : (05662) 250761 (O) (05662) 250900 (R) 94158234/8476837655 (M) E-mail : pradhan.anirudh@gmail.com pradhan@associates.iucaa.in	General Relativity, Cosmology, Dark Energy.
122.	Dr. Farook Rahaman Department of Mathematics Jadavpur University Kolkata - 700 032	Phone : 9831907279 (M) E-mail : farook_rahaman@yahoo.com rahaman@associates.iucaa.in	GR, Cosmology, Topological Defects, Black Hole, Th. Astrophysics.
123.	Dr. Rajesh S.R. Department of Physics S.D. College Alappuzha Kerala -688003	Phone : (0474) 2592877(R) 9400235838 (M) E-mail : sivayaohm@gmail.com rajesh@associates.iucaa.in	Astrophysics and related hydrodynamics.
124.	Dr. Chayan Ranjit Department of Mathematics, Egra S. S. B. College, Egra, Purba Medinipur-721429	Phone : (032) 20244073 (O) 919433927433 (M) E-mail: chayanranjit@gmail.com	Higher Dimensional Cosmological Model; Dark Matter; Dark Energy Models; Modified Gravity; Observational Data Analysis; Some Cosmological Parameters (Deceleration Parameter; State-finder Parameters, Om Diagnostic; Slow-Roll Parameters)
125.	Dr. Shantanu Rastogi Department of Physics D.D.U. Gorakhpur University Gorakhpur - 273 009 Uttar Pradesh	Phone : (0551) 2332398 (O) (0551) 2204517 (R) 9335631805 (M) E-mail : shantanu@associates.iucaa.in, shantanu_r@hotmail.com	Molecular Spectroscopy, Biopolymers and Moleculars of Astrophysical Importance, Infrared Spectroscopy.
126.	Dr. C.D. Ravikumar Department of Physics University of Calicut Kozhikode - 673 635, Kerala	Phone : (0494) 2401144 (O), (0466) 2282893 (R) 9447192136 (M) Fax : (0494) 2400269 E-mail : cdravi@gmail.com, ravi@associates.iucaa.in	Galaxies, Observational Astronomy, Extragalactic Astronomy, Quasars and AGNs.
127.	Dr. Saibal Ray Department of Physics Government College of Engineering and Ceramic Technology West Bengal - 700 010	Phone : 9163169796 (M) E-mail : saibal@associates.iucaa.in	General Relativity, Astronomy, Astrophysics, Cosmology.
128.	Dr. Biplab Raychaudhuri Department of Physics Visva Bharati University Santiniketan Dist. Birbhum -731 235 West Bengal	Phone : (03463) 261016(O) (03561) 256048 (R) 434464856 (M) E-mail : biplab.raychaudhuri@gmail.com, biplabphy@visva-bharati.ac.in, bipray@associates.iucaa.in	Sagnac Effect in Curved Spacetime, General Relativity, Astrophysics.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
129.	Dr. Prabir Rudra Asutosh College 21B/2 Sagar Manna Road Behala, Parnashree Kolkata - 700 060 West Bengal	Phone : (033) 24554504 (O) (033) 24062196 (R) 9836724050 (M) E-mail : prudra.math@gmail.com rudra@associates.iucaa.in	Theoretical astrophysics and cosmology.
130.	Dr. Anirban Saha Department of Physics West Bengal State University Berunanpukuria, Malikapur Barasat 24 Parganas (North) - 700 126 West Bengal	Phone : (033) 25241975 (O) (033) 25386288 (R) 9836021172 (M) E-mail : ani_saha09@yahoo.co.in, anirban@associates.iucaa.in	Non-commutative Field Theory, String Theory, Constrained Hamiltonian Dynamics, Classical GR, GW, etc.
131.	Dr. Sanjay Kumar Sahay D-56, BITS, Pilani – K.K. Birla Goa Campus NH17B, By Pass Road, Zuari Nagar - 403726 Goa	Phone : (0832) 2580243 (O) 9850145798 (M) Fax : (0832) 5643017 E-mail : ssahay@goa.bits-pilani.ac.in ssahay@associates.iucaa.in	Gravitational Wave Astronomy.
132.	Dr. Sandeep Sahijpal Department of Physics Panjab University, Sector 14 Chandigarh - 160 014	Phone : (0172) 2534469 (O) (0172) 2724039 (R) 9815611039 (M) E-mail : sandeep@pu.ac.in , sandeep@associates.iucaa.in	Formation and Evolution of Solar System.
133.	Dr. Tarun Deep Saini Department Of Physics Indian Institute Of Science Bangalore - 560012 Karnataka	Phone : (080) 23607705 (O) (080) 23602972 (R) 9902288832 (M) E-mail : tarun@physics.iisc.ernet.in saini@associates.iucaa.in	Cosmology: dark energy, gravitation lensing, clusters of galaxies; galactic dynamics; disc dynamics around compact objects.
134.	Dr. Pramoda Kumar Samal Post-Graduate Department of Physics, Utkal University, Vanivihar, Bhubaneswar- 751 004 Orissa	Phone : (0674) 2567079 (O) 9439752549 (M) E-mail : pksamal@iopb.res.in pksamal@gmail.com pksamal@associates.iucaa.in	Cosmology and CMBR.
135.	Dr. Prasant Samantray Cabin B-304H, Department of Physics, BITS-Pilani Hyderabad Campus, Shameerpet, Jawahar Nagar, Secunderabad - 500078, Telangana	Phone : 8878185151 (M) E-mail : prshkumar@gmail.com	AdS/CFT correspondence, string theory, quantum field theory, black holes.
136.	Dr. Saumyadip Samui Department of Physics Presidency University 86/1, College Street Kolkata -700 073	Phone : 3211256737 (R) 8158074782 (M) E-mail : ssamui@gmail.com, samui@associates.iucaa.in	Astrophysics and Cosmology.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
137.	Dr. Sudipta Sarkar Indian Institute of Technology, Gandhinagar Gujarat- 382355	Phone : 7819859734 (O) 9328474222 (R) 9925967563 (M) E-Mail : sudiptas@iitgn.ac.in	Gravitation, Black hole thermodynamics, modified gravity theories.
138.	Dr. Rathin Sarma Department of Physics, Hojai College, Hojai 782435, Assam.	Phone : - 91 – 9435537925 (M) E-mail: sharma.rathin@gmail.com	<small>My main research interest lies in X-Ray data analysis and understanding the accretion disc physics around the SMBH of AGN. I am particularly interested in long term variability of highly variable Narrow Line Seyfert 1 (NLS1) galaxy. I have been studying the hot ISM of the Milky Way also.</small>
139.	Dr. Sanjay Baburao Sarwe Department of Mathematics St. Francis de Sales College Seminary Hill Nagpur - 440 006, Maharashtra	Phone : (0712) 2511354(O) 9970313706 (M) E-mail : sbsarwe@gmail.com sarwe@associates.iucaa.in	General Relativity, Cosmology.
140.	Dr. Anjan Ananda Sen Centre for Theoretical Physics Jamia Millia Islamia Maulana Mohammed Ali Jauhar Marg Jamia Nagar, New Delhi - 110 025	Phone : (011) 26984830 (O) (0120) 4131305(R) 9818024543 (M) Fax : (011) 26981753 E-mail : anjsen@gmail.com, anjan@associates.iucaa.in	Dark Energy and Late Time Acceleration of the Universe, Brane World Cosmology, Loop Quantum Cosmology.
141.	Prof. Asoke Kumar Sen Department of Physics Assam University, P.B. No. 63 Silchar 788 011, Assam.	Phone : (03842) 270843 (O) (03842) 236979, 236600 (R) 9435070349 (M) Fax : (03842) 270802, 270806 E-mail : aksen@associates.iucaa.in, asokesen@yahoo.com,	Comets, Solar System, Astronomical Observations.
142.	Dr. Somasri Sen Department of Physics Jamia Millia Islamia New Delhi -110025	Phone : (0120) 4131305 (R) 9717050331 (M) E-mail : somasri.sen@gmail.com ssen@jmi.ac.in	Cosmology, Gravitation, Astroparticle Physics.
143.	Dr. Anand Sengupta Department of Physics IIT Gandhinagar VGEC Complex, Chandkheda Visat- Gandhinagar Highway Ahmedabad - 382 424 Gujarat	Phone : (079) 32419511 (O) E-mail : asengupta@iitgn.ac.in	Fast interpolation of inspiral template bank for coherent searches for gravitational waves, etc.
144.	Prof. T.R. Seshadri Dept. of Physics and Astrophysics University of Delhi Delhi - 110 007	Phone : (011) 27667725, 27667161 (O) (011) 27315329 (R) 9971954775 (M) Fax : (011) 27667061 E-mail : trs@associates.iucaa.in, seshadri.tr@gmail.com	CMBR, Cosmology.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
145.	Dr. Mohit Kumar Sharma Amity Centre for Astronomy & Astrophysics, Amity Institute of Applied Sciences, Amity University, Sector-125, Noida -201313, U.P.	Phone : 7065795664 (M) E-mail : mohitkumarsharma32@yahoo.in mksharma@associates.iucaa.in	Calculation of collisional rate coefficients is the most difficult part in the investigation of molecules in a cosmic object.
146.	Dr. Ranjan Sharma Department of Physics Cooch Behar Panchanan Barma University, Vivekananda Street, Cooch Behar - 736101 West Bengal.	Phone : 03582-230218 (O) (03561) 255050 (R) 9832096288 (M) Fax : 03582-224011 E-mail : rsharma.jpg@gmail.com rsharma@associates.iucaa.in	Relativistic Astrophysics.
147.	Dr. Alkendra Singh UGC-Assistant Professor, Department of Physics, Institute of Science, Banaras Hindu University, Varanasi - 221 005	Phone : ----- E-mail: alkendra@gmail.com alkendra@associates.iucaa.in	Solar and Plasma Astrophysics, Magneto-hydrodynamic, Space-based observations of the Sun.
148.	Professor Gyan Prakash Singh Department of Mathematics Visvesvaraya National Institute of Technology Nagpur - 440 010 Maharashtra	Phone : (0712) 2801356 (O) (0712) 2801386 (R) 9423684625 (M) E-mail : gpsingh@math.vnit.ac.in gps.math2015@gmail.com	General Relativity and Cosmology.
149.	Prof. Harinder Pal Singh Dept. of Physics and Astrophysics University of Delhi Delhi - 110 007	Phone : (011) 27667793 (O) (011) 27567366 (R) 9810248042 (M) Fax : (011) 27667061 E-mail : singh@associates.iucaa.in, hpsingh@physics.du.ac.in	Stellar Magnetic Fields, Stellar Evolution.
150.	Dr. Heisnam Shanjit Singh Department of Physics Rajiv Gandhi University Rono Hills, Papum Pare - 791 112 Arunachal Pradesh	Phone : (0360) 2278572 (O) (0360) 2278572 (R) 7308260563 (M) E-mail : heisnam.singh@rgu.ac.in heisnam@associates.iucaa.in	Black holes and Cosmology.
151.	Dr. Monika Sinha Department of Physics IIT, Jodhpur Old Residency Road Ratanada Jodhpur - 342 011 Rajasthan	Phone : (0291) 2449042(O) 7568875770 (M) E-mail : ms@iitj.ac.in monika@associates.iucaa.in	Compact objects.
152.	Dr. Surendra Nadh Somala Indian Institute Of Technology Hyderabad- 502285 Telangana	Phone : (040) 23018457 (O) E-mail : surendra@iith.ac.in surendra@associates.iucaa.in	Engineering seismology, computational geophysics, gravity perturbations due to seismic wavefield.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
153.	Prof. Vikram Soni Centre for Theoretical Physics Jamia Millia Islamia University, New Delhi -110 025	Phone : (011) 26141453 (O) 9899821135 (M) E-mail : vsoni.physics@gmail.com	Topological Structures, Quark matter, QCD, etc.
154.	Dr. K. Sriram Department of Astronomy University College of Science Osmania University Hyderabad -500 007	Phone : 7702106240 (M) E-mail : astrosriram@yahoo.co.in	Accretion processes in Compact Objects, ULX's & AGN's, Astrophysical Jets, Studying contact binary systems in clusters.
155.	Dr. Parijat Thakur Department of Basic Sciences & Humanities Institute of Technology Guru Ghasidas Central University Bilaspur- 495009 Chattisgarh	Phone : (07752) 260007 (O) (0788) 4017785 (R) 7587096051 (M) Fax : (07752) 260148 E-mail : parijatthakur@yahoo.com parijat@associates.iucaa.in	Galactic Structure and Dynamics, Investigating Transiting Exoplanets, etc.
156.	Dr. Arun Varma Thampan St. Joseph's College P.O. Box 27094 36, Lalbagh Road Bangalore- 560027	Phone : (080) 22211429 / 22274079 (O) (080) 25834800 (R) 9449835496 (M) E-mail : athampan@gmail.com arun@associates.iucaa.in	General Relativity, Modelling of observational data.
157.	Dr. Sunil Kumar Tripathy Department of Physics Indira Gandhi Institute of Technology Sarang Dhenkanal Dhenkanal - 759 146 Odisha	Phone : (06768) 267025 (O) (06768) 267025 (R) 8280295995 (M) E-mail : tripathy_sunil@rediffmail.com sktripathy@associates.iucaa.in	Cosmology, Relativity and Gravitation: Late time cosmic acceleration- Dark energy models, Alternative theories of gravity, Nuclear Physics: Equation of state of Nuclear Matter, Neutron stars and Proto Neutron star.
158.	Dr. Pranjal Trivedi Department of Physics Sri Venkateswara College University of Delhi Delhi- 110021 <i>Address for correspondence:</i> D-203, Vidisha Apartments 79 I.P. Extension New Delhi - 110 092.	Phone : 9818505955 (M) E-mail : pranjal.tri@gmail.com, pranjal@associates.iucaa.in	Cosmic Microwave Background Radiation, Non-Gaussianity, Cosmological Magnetic Fields.

No.	Name and Address	Phone, Fax, and E-mail	Research Interests
159.	Dr. Vinutha Tummala Department of Applied Mathematics Andhra University Visakhapatnam - 530 003 Andhra Pradesh	Phone : (0891) 2844524 (O) (0891) 2503116 (R) 9490235319 (M) E-mail : vinuthatummala@gmail.com vinutha@associates.iucaa.in	Einstein's theory of gravitation, scalar tensor theories of gravitation and dark energy cosmological models in order to explain the expanding nature of the Universe and other properties.
160.	Prof. Paniveni Udayashankar Department of Physics NIE Institute of Technology Hootagalli Industrial Area Kooragalli, Mysore 571 186 Karnataka <i>Address for Correspondence:</i> No. 46, 20 th Main, 1 st Cross BTM 1 st Stage. 1 st Phase Bangalore - 560 068 Karnataka	Phone : (0821) 2403734 (O), (080) 26683549 (R) 9341214652 (M) Fax : (0821) 2403732 E-mail : paniveni.udayashankar@gmail.com , paniveni@associates.iucaa.in	Structure and Properties of Supergranulation, etc.
161.	Dr. Rashmi Uniyal Government Degree College Tehri Garhwal Narendranagar - 249 175 Uttarakhand	Phone : 8006733214 (M) E-mail : rashmiuniyal001@gmail.com uniyal@associates.iucaa.in	Classical Gravity and related phenomenon, geodesic structure, orbit structure and kinematics of geodesic flows around given spacetime backgrounds, weak and strong gravitational lensing and kinematics of deformation of null geodesics around various compact objects alongwith accretion phenomenon associated with these objects.
162.	Dr. Sanil Unnikrishnan Department of Physics St. Stephen's College University Enclave Delhi -110 007	Phone : (011) 22503058 (R) 8860153808 (M) E-mail : sanil.unni@gmail.com	Cosmology in general, Dark Energy and Dark Matter Inflation and Early Universe Cosmology, Cosmological Perturbation Theory, Modified theory of gravity as an alternative to dark energy.
163.	Dr. Sudhaker Upadhyay Dept. of Physics, K.L.S. College, Nawada (A Constituent Unit of Magadh University Bodh Gaya) Bihar 805110	Phone: 8090976139 – (O) 07477780999 (M) E-mail :sudhakerupadhyay@gmail.com	Currently I am working in Galaxy clustering and structure formation of universe

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164.	Prof. Anisul Ain Usmani Department of Physics Aligarh Muslim University Aligarh - 202 002, Uttar Pradesh	Phone : (0571) 2701001 (O) (0571) 2721829 (R) 09412275671 (M) Fax : (0571) 2701001 E-mail : anisul@associates.iucaa.in, anisul.usmani@gmail.com	Many Body Theories, Physics of Strangeness.
165.	Dr. Deepak Vaid National Institute of Technology, Surathkal RM 217, Science Block NITK Surathkal Mangalore - 575 025 Karnataka	Phone : 0824 - 2473283 (O) : 9901314121 (M) E-mail : dvoid79@gmail.com dvoid@associates.iucaa.in	Quantum Gravity.
166.	Dr. Bhargav Pradeep Vaidya Indian Institute of Technology Indore Onyx 118, Silver Springs Phase 2, Bypass Road, Pathar Mundla Indore – 452020 Madhya Pradesh	Phone: 07324306538 (O) 0731494005 (R) 9998983564 (M) E-mail : bvaidya@iiti.ac.in	<small>Computational Fluid Dynamics: Hydrodynamics, Magneto-hydrodynamics & Radiative transfer Theoretical star formation - Accretion disk physics, Jets and Outflow formation and associated instabilities Particle Acceleration in AGN jets - Modeling Non-thermal spectral signatures Inter- Stellar Medium - Shock-Cloud Interaction, Collapse of molecular cores, Shock induced chemistry Astrophysical Code Development - MPI Parallel Programming, Visualization and Data Analysis tools with Python.</small>
167.	Prof. Murli Manohar Verma Department of Physics, University of Lucknow, Lucknow- 226007 Uttar Pradesh	Phone : (0522) 2740410 (O) (0522) 2740140 (R) 9415725291 (M) E-mail : sunilmmv@yahoo.com murli@associates.iucaa.inn	Cosmology: Dynamics and diagnostics of the Interacting dark energy models especially quintessence and tachyonic field models.
168.	Dr. Jaswant Kumar Yadav Department of Physics Central University of Haryana Jant-Pali, Mahendergarh Haryana - 123 031	Phone : 7696951306 (M) E-mail : jaswantkyadav@gmail.com jaswant@associates.iucaa.in	Formation and Evolution of galaxies, Feedback Processes in galaxy formation, Chemical etc.