ACADEMIA

Central University of Jharkhand, Ranchi
(Established by an Act of Parliament of India, 2009)

FACULTY PROFILE
Knowledge to Wisdom
It’s a matter of immense pride that the faculty of our Central University of Jharkhand are not only teachers of repute but also excellent researchers. They have received national and international recognition and awards for their widely acclaimed papers and works. Their scholarly pursuit reflect the strength of the University and provide ample opportunities for students to carry out their uphill tasks and shape their career. The endeavour of the faculty members to foster an environment of research, innovation and entrepreneurial mindset in campus gives a fillip to collaborate with other academic and other institutions in India and abroad. They are continuously on a lookout for opportunities to create, enrich and disseminate the knowledge in their chosen fields and convert to the welfare of the whole humanity. Continuous introspection and assessment of teaching research and projects add on devising better future planning and innovations. Training and mentoring of students and scholars helps to create better, knowledgeable and responsible citizens of India.

I hope this brochure will provide a mirror of strength of CUJ for insiders and outsiders.

Best wishes

Prof. Nand Kumar Yadav ‘Indu’
In a globalized world, the role of research in an academic institution is significant for its sustainability and development, and it is imperative to have knowledge-driven growth based innovation.

Our University faculty members undertake research, teaching, and service roles to carry out the academic work of the University. Each of these roles enables our faculty members to generate and disseminate knowledge to peers, students, and external audiences.

The faculty at CUJ possesses national and international recognition and awards for their widely acclaimed research attainments. The dedication of the faculty members to encourage research and innovation invite collaboration with national and international academic institutions of repute.

I expect, this faculty profile will definitely reflect the academic strength and research activities being undertaken at Central University of Jharkhand.

Registrar
From the Editor's Desk

Our esteemed Vice Chancellor has entrusted us with the task of presenting a special issue on the Faculty Profile of Central University of Jharkhand. This effort is aimed at portraying our strengths, exploring new opportunities, and reaching new heights in academia and research.

We are grateful to our Vice Chancellor for entrusting us with this visionary assignment and to all the teaching fraternity for their support and cooperation.

Dr. D.B. Lata
Associate Professor
Department of Energy Engineering
Chairman, Training and Placement Cell
In-charge, Research and Development

Dr. G. P. Singh
Associate Professor & Head
Department of Nano Science & Technology

Mr. Rajesh Kumar
Assistant Professor
Department of Mass Communication
NCC Officer, CUJ

It gives us immense pleasure in presenting a special issue ‘ACADEMIA: Faculty Profile of Central University of Jharkhand’ being published under the visionary leadership of our honorable Vice Chancellor. It is an effort for portraying our strength, introspecting opportunities and exploring new heights in the domain of global academia and research.

We are thankful to our honorable Vice Chancellor for entrusting this visionary assignment upon us and to all the teaching fraternity for their persistent support and cooperation.
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Address: Central University of Jharkhand, Ratu-Lohardaga Road, Brambe, Ranchi-835205, India, www.cuj.ac.in
Wavering Outline of Central University of Jharkhand
INTRODUCTION
The Central University of Jharkhand came into being under the Central Universities Act, 2009 promulgated by the President of India on 1st of March 2009. The above Act envisages establishing and incorporating Universities for teaching and research in the various states. The Central University of Jharkhand started with a vision to specially focus on relevant present age educational drives with an emphasis on research in cutting-edge technologies.

VISION
The vision of the University is to create a world class university in every aspect, be it research, teaching, administration or co-curricular activities, to produce world class students ready to excel in every chosen field with honour and uprightness.

THE MOTTO - Knowledge to Wisdom
Students join higher education courses to gain knowledge. At CUJ, we strive hard to turn that knowledge to wisdom in order that society finally gains a useful citizen to guide and mould its destiny.

This we plan to do through many compulsory community-based projects, interactions with a wide cross-section of people from within our country and outside it and innovations in the teaching-learning processes.

OBJECTIVES
The objectives of the University are to:
• Disseminate and advance knowledge by providing instructional and research facilities in various disciplines
• Promote innovations in teaching-learning process and inter-disciplinary studies and research
• Educate and train manpower for the development of the country
• Establish linkages with industries for the promotion of science and technology and
• Pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.
SCHOOL OF NATURAL SCIENCES

Department of Physics
Department of Chemistry
Department of Life Sciences
Department of Mathematics
Department of Computer Science & Technology
The Department of Physics (formerly Centre for Applied Physics) was started in July 2010 with five year integrated program in Applied Physics. The department started functioning with the following goals to provide programs of study in applied physics with a strong engineering emphasis relevant to the local as well as regional industries, aiming at producing versatile graduates who command a range of generic, technical, professional skills to function flexibly in a variety of job positions. The research interests of the faculty members cover broad range of physics: Condensed Matter Physics, Lasers and Photonics, High Energy, Theoretical and Mathematical Physics. The department is planning to establish the state-of-the-art research laboratories and computational facilities.

Dr. Sarang Medhekar
Professor

Qualification
Ph.D. in Physics
Title - Guided Laser Beams in Nonlinear Media
M.Sc. in Physics

Experience - 20 Years

Specialization
Fibre Optics, Laser, Optical Communication

Research Areas
Photonic Devices, Optival Solitons, Applied Optics

Research Guidance Total - 5
- Man Mohan Gupta, 2013, Investigation of Light Propagation through Photonic Crystals (PCs) for All-Optical Devices and Components (Awarded)
- Alok Kumar, 2015, (ongoing) Investigation of photonic crystal based optical devices and components for all optical switching

Research Project Total - 5
Modeling and Analysis of All-Optical Switching Devices based on waveguide and Photonic Crystal geometry, Funding Agency - DST, Funding Amount 24,15,120/-, Duration - 2013-16

Publications (Journals) Total-47
- M. M. Gupta and S. Medhekar, Switching Behavior of Nonlinear Mach-Zehnder Interferometer Based on Photonic Crystal Geometry, Pramana, 82, 6, 2014

Patents (Awarded - 4)
- Mechanical load stabilizer with load dependent stepless gear ratio variation system, Funding Agency - Inventor - Sarang Medhekar (patented by NRDC), Patent No. 223097, Application No. 3118/DEL/1997, Year - 04-09-2008
- Extraction of one beam from a mixture of two coaxially co-propagating mutually incoherent beams of same frequency, Extraction of Data Bits loaded on one coherent beam mixed with the Data Bits loaded on another coherent beam of same frequency and Coherence Division Multiplexing, Patent No. 261064, Application No. 1192/KOL/2007, Patented by BIT, Mesra Year - 02 June 2014
- All-Optical Not/Xor, and Nand Gates, All Optical Bistable, Astable Multivibrators And All Optical Half Adder Using Novel All Optical Switching in a Mach-Zender Interferometer, Patent No. 296862, Application No. 791/KOL/2007, Patented by BIT, Mesra Year - 17 May 2018
- All-Optical Passive Transistor Adapting A Mach-Zehnder Interferometer, Patent No. 304332, Application No. 1044/KOL/2008, Patented by BIT, Mesra Year - 12 December 2018

Contact
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Dr. Dharmendra Singh

Assistant Professor

Qualification
Ph.D. in Physics
Title - Study Of Complete and Incomplete Fusion of 16O and 20 Ne Ions in Some Nuclei below 10MeV/Nucleon Energies
M.Sc. In Physics
Post Doc in Experimental Nuclear Physics from Inter University Accelerator Centre, New Delhi
Title - Role of target deformation on incomplete fusion dynamics in energy range 3-8 MeV/nucleon

Experience - 10 Years

Specialization
Experimental Nuclear Physics, Nuclear Instrumentation, Accelerator Physics.

Research Areas
Whight & Heavy Ion Induced Reactions, Incomplete Fusion dynamics, Fusion Fission dynamics

Research Guidance
- Sneha Bharti Linda, 2013, Study of Complete and Incomplete Fusion Dynamics Induced by Heavy Ions Above the Coulomb Barrier
- Pankaj Kumar Giri, 2014 Investigation of Break-up Fusion and Its Dependency on Target Deformation at Energies 3-7 MeV/nucleon
- Amritraj Mahato, 2016, Probing of Incomplete Fusion and Fusion-Fission Dynamics Induced by Heavy Ions at Energies Above the Coulomb Barrier

Research Project
- Role of target deformation on incomplete fusion dynamics in energy range 3-8 MeV/nucleon
  Funding Agency - Department of Science and, Technology (DST), New Delhi,
  Amount - Rs 23.3 lacs, Duration - 2011-14
- Study of Complete and Incomplete Fusion Dynamics by Using Heavy Ion Beams
  Funding Agency - UGC, New Delhi.
  Funding Amount - Rs 6 lacs, Duration - 2013-15

Role of Target Deformation on Incomplete Fusion dynamics during heavy Ion Collisions, Funding Agency - IUAC, New Delhi,
Funding Amount - Rs 6.75 lacs, Duration - 2013-17

Publications (Journals) Total - 37

Contact
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Dr. Avijit Ghosh
Assistant Professor

Qualification
Ph.D., IIT Kharagpur
Title : Defects Mediated Optical Properties of ZnO Based Nanostructures,
M.Sc (Physics), B.Ed., Vidyasagar University
Post Doc - (Energy Science) from da Universidade do Porto, Portugal
Title : Investigation of Piezoelectric ZnO-based Nanowires for Nanogenerators

Experience - 9 Years

Specialization
Nanoscale Physics, Material Science, Experimental Physics

Research Areas
Semiconductor Nanostructures, Photovoltaics and Nanogenerators, Multiferroics and Solid Oxide Fuel Cells

Research Guidance
• Rohitash Upadhyay, JRF under DST-CERI project, to be registered in CUJ

Research Project
Investigation of Compositional Engineering for Efficient Perovskite Solar Cells
Funding Agency - DST under CERI program
Funding Amount - Rs 99.642 Lakh
Duration - 2016-19

Publications (Journals) Total - 14
• T. Patri, P. Justin, K. Prabahar and A. Ghosh, (2016) Raman and Dielectric Spectroscopic Analysis of Magnetic Phase Transition in Y(Fe0.5Cr0.5)O3 Multiferroic Ceramics, Ceramics International, vol.42, No.12, pp. 13834-13840.

Awards/Fellowships
• Erasmus Mundus LEADERS’ scholarship on Post-Doctorate level funded by European Union at da Universidade do Porto, Portugal
• CSIR-UGC Senior Research Fellowship through NET and Institute Research Fellowship through GATE at IIT Kharagpur.
• University Gold Medal and Janardan Ghorai Memorial Endowment Medal for being 1st position in M.Sc. from Vidyasagar University.

Contact
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Dr. Vineet Kumar Agotiya
Assistant Professor

Qualification
Ph.D. in Physics
Title - Quarkonium suppression in nucleus-nucleus collisions
M.Sc. In Physics
M. Tech, Applied Optics

Experience - 07 Years

Specialization
Particle Physics, Electronics, Applied Optics

Research Areas -
Heavy quark physics, Quark gluon Plasma, Relativistic nucleus nucleus collisions and early universe

Research Guidance
• Indrani Nilima, 2014, Quarkonium Dissociation As A Probe Of Color Screening In Hot Qcd Medium
**Research Project**
- Some outlook of strongly interacting quark Gluon Plasma, Funding Agency - UGC-BSR, Funding Amount - Rs 6 lacs, Duration - 2014-16
- Study of quarkonium in Hot QCD medium using Quasi Particle Approach, Funding Agency - SERB Funding Amount - Rs 24.56 lacs, Duration - 2018-19

**Publications (Journals)**  **Total - 11**
- I. Nilima and V. K. Agotiya, Dissociation of 1P states in hot QCD medium using quasi-Particle Model, PEPAN Letters, Volume 15, Issue 2, 2018, ISSN [ISSN 1814-5957] (Print), [ISSN 1814-5973] (Online), UGC Indexed No. 30849
- M. Y. Jamal, I. Nilima, V. Chandra, and V. K. Agotiya, Dissociation of heavy quarkonia in an anisotropic hot QCD medium in a quasiparticle Model, PRD, Volume 97, 2018, ISSN 2470-0010 (print) 2470-0029 (online), UGC Indexed No. 30797

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**Dr. Sanjay Gupta**
**Assistant Professor**

**Qualification**
Ph.D., Saha Institute of Nuclear Physics, Jadavpur University
Title - Some Aspects of Correlation and Disorder in low dimensional transition
M.Sc. in Physics, Calcutta University
Post Doc/Research Associates - IACS, Kolkata, IMSC Chennai, S. N. Bose Centre, Kolkata , SINP Kolkata and IIT Delhi

**Experience - 15 Years**

**Specialization -**
- Strongly correlated electron systems, Heterostructures, Superconductivity

**Research Areas -**
- Metal-Insulator transition, Correlated interface, Superconductivity

**Research Project**
- UGC start up grant, Funding Agency - UGC

**Publications (Journals)**  **Total-08**
- S. Gupta, T. Gupta, Physics of Interface: Mott insulator barrier sandwiched between two metallic plane, Solid State Communications (Fast Track Communication), 152, 53-55 (2012)

**Awards/Fellowship**
- Awarded Junior Research Fellowship at Saha Institute of Nuclear Physics, Kolkata through Joint entrance test conducted by Matscience, Harish Chandra Research Institute and Saha Institute of Nuclear Physics
- UGC-NET Junior Research Fellowship through NET

**Contact**
- Email : guptajay2@gmail.com
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Dr. Jayanta Kumar Baral  
Assistant Professor (UGC-FRP)

Qualification
Ph.D (Physics) from Finland

Experience - 10 Years

Specialization -
Condensed Matter Physics (Experimental)

Research Areas -
Polymer and Organic Nano-Electronics; Floating Gate Memory devices; Photovoltaics; Sensors; Device Physics; Disorder Organic Semiconductors & Materials Science.

Publications (Journals) Total-17

Contact
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Dr. Sandeep Chaudhury  
Assistant Professor (UGC-FRP)

Qualification
Ph.D, Jadavpur University, Kolkata
Post Doc - Department of Electrical Engineering, University of South Carolina, USA
Research Officer, Department of Physics, University of Surrey, UK

Experience - 10 Years

Specialization -
Experimental Condensed Matter Physics

Research Areas -

Publications (Journals) Total-26

Contact
E-mail : sandeep.chaudhuri@cuj.ac.in
Mobile : 7797745227
Dr. R. K. Dey
Professor

Qualification
Ph.D. in Chemistry
Title - Polymer in Adsorption application
Post Doctoral in Chemistry from University of Campinas, Brazil
M.Sc. In Physical Chemistry
Title - Calorimetric Investigation of Adsorption studies on Mesoporous silica

Experience - 20 Years

Specialization
Thermodynamics, Kinetics, 3. Equilibrium

Research Areas
Surfaces Chemistry, Biomaterial, Water Treatment

Research Guidance
• Prajna Mishra, 26-09-2013, Synthesis & biomedical applications of some natural synthetic
• Simpi Bhawna Patel, 24-09-2013, Defluoridation of aqueous solution using hydride sorbents: Synthesis and batch adsorption studies
• Neha singh, 19-08-2014, Development of Grapheme based Au-TiO2 ternary nanocomposites for photocatalytic applications.
• Koomkoom Khawas, 18-09-2015, Synthesis of end functionalized poly(3-hexyl thiophene)(P3HT) using simple methodology and studies of some conducting polymer based nanocomposites
• Subhashree Mishra, 15-09-2016, Development of new catalyst for oxidation reaction

Research Project
• Fluoride Removal Using New Hybrid Polymeric Materials, Funding Agency - UGC, Funding Amount - 15 Lakhs,

Duration - 3 years, 2014-2017

Publications (Journals) Total - 23
• P. Mishra, R. K. Dey, Development of Docetaxel -loaded PEG-PLA nanomaterial using Surfactant -free method for controlled release studies, 2018, In. J. of Polymeric Materials and polymeric Biomaterials, Volume - 67(9), Publisher - Taylor & Francis, ISSN - 0091-4037

Publications (Book/Chapters) Total - 01

Contact
E-mail : ratan.dey@cuj.ac.in
Mobile : 8917570944
Dr. Arun Kumar Padhy
Associate Professor

Qualification
Ph.D. in Chemistry, Berhampur University, Odisha
Title - Studies on synthesis and biological activity of some nitrogen heterocycles
M.Sc. in Chemistry, Berhampur University, Odisha

Experience - 23 Years

Specialization -
Organic Chemistry, Organic Reaction and Mechanism, Photochemistry and Pericyclic Reactions

Research Areas -
Heterocyclic Chemistry, Organic Material, DSSC

Research Guidance
- Dr. Nadish Saba, 2013, Synthesis and reactivity of some nitrogen heterocycles as probable sensor
- Benjamin Raj, 2014, Studies on synthesis and applications of metal oxide nanoparticles from imidazole based organic precursor

Publications (Journals) Total - 21

Publications (Book/Chapters) Total - 01

Awards/Fellowship
- Shastri-Indo Canada Faculty mobility program
- Young Scientist. Orissa Chemical Society
- Prof. R.K. Nanda best paper presentation, Orissa Chemical Society

Contact
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Mobile : 8292824145

Dr. Partha Ghosh
Assistant Professor

Qualification
Ph.D. in Chemistry/ Rutgers University, USA
Title - New Methods and Strategies Towards MS in Chemical Sciences
Post Doc in Medicinal Chemistry/ University of kansas, USA

Experience - 11 Years

Specialization
Organic Chemistry, Medicinal Chemistry, Synthetic Methodology

Research Areas
Organic Chemistry, Green Chemistry, Medicinal Chemistry

Research Guidance
- Saurabh Kumar Singh, 2018, Development of Novel Green Synthetic methods and their application
- Anusueya Kumari (Co-Guide), 2016, Total synthesis of biologically active illudalane class of sesquiterpenes

Research Project
- Development of green synthetic methods, Funding Agency - UGC, Funding Amount - 6 Lakh, Duration - 2015-2018
- Transformation of N-heterocycles involving, a cascade of reductive amination, grobe-type fragmentation and mannich reaction, Funding Agency - DST, Amount - 29.1 Lakh, Duration - 2015-2018

Publications (Journals)
- P. Ghosh, catalized air-oxidative fragmentation of the
carbon-carbon bond in 2-aryl-1-tetralones. ACS Omega, 2019, 4, 8065-8070

Publication (Book/Chapters)

Patent
• Substituted imidazopyridines as hdm2 inhibitors, Merck Inc, USA, 2014
• Synthesis of functionalized octahydro-isoquinolin-1-one-8-carboxylic esters and analogs, and therapeutic methods, NIH, USA, 2014

Contact
E-mail : partha.ghosh@cuj.ac.in
Mobile : 9934012120

Dr. Raj Bahadur Singh
Assistant Professor

Qualification
Ph.D. in Organic Synthesis
Title - "Molecular Complexity from Aromatics: Studies on Synthesis of [m.n.o] propellanes, Spiro[m.n]ring systems and framework of Conidiogenol"
M.Sc. in Chemistry

Experience - 17 Years

Specialization -
Organic Synthesis, Natural Product Chemistry, New reaction methodology

Research Areas -
Total Synthesis of Illudalanes, Reaction Methodology, Asymmetric Synthesis

Research Guidance
• M. Suresh, 2014, Total Synthesis of Naturally occuring Illudalanes

- Anusueya Kumari, 2016, Total Synthesis of Biologically Active Illudalane class of Sesquiterpenes

Research Project
• Synthesis of biologically active illudalane class of natural products (Project No. SB/FT/CS-045/2013), Funding Agency - DST, Funding Amount - 24.53 Lakhs, Duration - 2014-2017
• Total synthesis of cytotoxic, antiviral sesquiterpenoids, Funding Agency - SERB, DST, Funding Amount - 26.4 Lakhs, Duration - 2018-2021

Publications (Journals) Total - 6
• M. Suresh, A. Kumari, D. Das, R. B. Singh, Total Synthesis of Onitin, 2018, Journal of Natural Products, Volume - 81, Issue - 9, Publisher - American Chemical Society, ISSN - 0163-3864, 2581

Contact
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Mobile : 8877019873

Dr. Sabyasachi Bhunia
Assistant Professor

Qualification
Ph.D. in Chemistry, National Tsing Hua University, Taiwan
Title - Discovery of New Carbocyclizations Involving Activation of C–C Multiple Bonds by Electrophilic Noble Metals
M.Sc. in Chemistry, Jadavpur University

Experience - 16 Years

Specialization -
Organic Chemistry, Organometallic Chemistry, TM-catalyzed organic transformation

Research Areas -
Organic Methodology, Metal carbenoid induced organic transformation, 3 New Carbo- and heterocyclizations Involving Activation of C–C Multiple Bonds C–C Multiple Bonds
Research Guidance
• Snigdha Rani Patra, 2018, Transition Metal Catalyzed Organic Transformations Involving Activation of C-C Multiple Bonds

Research Project
• Rapid access to synthetically useful complex carbo - and heterocycles through cascade reactions and continuous flow microreactor processes, Funding Agency - SERB, Funding Amount - 38.94 Lakh, Duration - 2017-2020
• Organic Transformations Involving Activation of C-C Multiple Bonds, Funding Agency - UGC, Funding Amount - 6 Lakh, Duration - 2018-2020

Publications (Journals) Total - 6

Contact
E mail : sabyasachi.bhunia@cu.in
Mobile : 8001285730

Dr. Soumen Dey
Assistant Professor

Qualification
Ph.D. in Chemistry
Title - Chemistry of Porphyrinogen and Diphenylpyrromethane as Versatile Ligand:
Eco-friendly Synthesis, Molecular Recognition Involving Host-guest Binding and Reactivity with Transition metals
M.Sc. in Chemistry

Experience - 18 Years

Specialization - Inorganic, Supramolecular, Environmental pollution

Research Areas - Host-Guest signalling, Waste management, Detoxification of Heavy metals and dyes

Research Guidance
• Dr. Sambasivaiah, B., 2013, Studies of Pyrrole Based Ligands: Synthesis, Structure and Reactivity (Awarded)
• Roshni Kumari, 2015, Natural and Synthetic adsorbent for Removal of Toxic Dyes: Batch, Column and In-field Studies
• Jhilirani Mohanta, 2016, Synthesis and Application of Novel Adsorbents for Detoxification of Contaminated Water

Research Project
• Environmentally Clean Approach to Synthesize Porphyrinogen, a Potential Host-guest Sensor and Efficient Electron Reservoir, Funding Agency - DST-SERB, Funding Amount - 24.50 Lakh, Duration - 3 years, 2014-2017

Publications (Journals) Total - 14
• R. Kumari, S. Dey, Synthesis of Porous Iron – Zirconium mixed oxide Fabricated Ethylene diamine composite for removal of Cationic dye, 2019, Desalination and Water Treatment, Publisher - Taylor & Francis, ISSN- 19443994, 12911 (Accepted)
• R. Kumari, S. Dey, A breakthrough Column Study for Removal of Malachite Green using Coco-peat, 2019, International Journal of Phytoremediation, Publisher - Taylor & Francis, ISSN- 15226514, 23355 (Accepted)
Publications (Book/Chapters)  Total - 3


• P. Bhagat, B. Dey, J. Mohanta, S. Dey, Methylene blue removal using Eucalyptus Leaves: A Low Cost Protocol towards Environmental Sustainability, 2019, Environmentnal Challenges and Sustainability, Publisher - Springer


Awards/Fellowship

• Dr. D.S. Bhakuni memorial award (Young Scientist award) conferred by Indian Chemical Society, 2008.

• U. Annapurna & Satyanarayan memorial award (Young Scientific award) conferred by Indian Chemical Society, 2002,

• National Scholarship (Govt. of India)

Contact

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Mobile : 9661399711

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Simon Watre Sangma
Assistant Professor

Qualification

Ph.D. in Chemistry (Pursuing), University of Bayreuth
Title - Computational Investigation of the Coupling of Protonation and Reduction of Iron-Sulfur Proteins
M.Sc. in Chemistry, Indian Institute of Technology, Delhi

Experience - 6 Years

Specialization

Theoretical Chemistry, Computational Chemistry, Physical Chemistry

Research Areas -
Computational Chemistry, Computational Biochemistry, Cheminfprmatics
The Department of Life Sciences (formerly Centre for Life Sciences) came into existence in 2010 with the aim of imparting knowledge in the entire fields of modern biology without the boundary of animal, plant, microbial systems fostering students to the life processes as fundamental science and imply this knowledge for the development of newer technologies and processes. The department is committed to serving the academic community and public at large through its outreach initiatives like basic and translational research in the field of food security, sustainable environmental development and health care. The Department is actively engaged in extensive interdisciplinary research programmes. The department is recipient of Grant form Department of Biotechnology, Government of India under BUILDER scheme which provide financial assistance to students, lab facility as well as research grant. Apart from this faculties of centre also receive research grant from DBT, DST and UGC.

**Dr. Manoj Kumar**
**Associate Professor**

**Qualification**
- Ph.D. - Plant Biology specialized with Molecular Genetics and Plant Tissue Culture (Mass Scale Propagation of Litchi chinensis Through In Vitro Techniques.
- MSc. in Botany

**Experience - 14.2 years**

**Specialization**
- Plant Biotechnology specialized in molecular genetics and Plant Microbe interaction

**Research Areas**
- Forest Molecular Genetics specialized in Secondary Cell Wall Dynamics – (Lignocellulosic ethanol)
- Phytoremediation specialized in microbial mediated-mediation of heavy metals (Pb, Co, Cr etc.)

**Research Guidance**  **Total - 5**
- Pooja Bhadrecha (2012-2017)
- Title: Functional characterization of rhizospheric microorganisms associated with plant systems growing under extreme climatic conditions
- Shaiely Javeria (2013-2018)
- Title: Mechanistic approach of Trichoderma sp. As biocontrol agent against important soil borne pathogens of lentil (Lens compacta)
- Sonam Singh (2018 continuing) Course work is in progress

**Research Project**  **Total - 3**
- DBT-BUILDER, Ministry of Science & Technology Funding Amount Rs. 4.76 Crore (Ongoing)

**Publications (Journals)**  **Total - 49**
- M. Kumar et al., Plant cellulose synthesis: CESA proteins crossing kingdoms, Phytochemistry-2015
- M. Kumar et al., An efficient approach towards the bioremediation of copper, cobalt and nickel contaminated field samples, Jr. of Soil and Sediments-2016
- M. Kumar et al., Enhanced production of napthoquinone metabolite (shikonin) from cell suspension culture of Arnebia sp. and its up-scaling through bioreactor, 3Biotech-2014
- M. Kumar et al., Characterization of Actinomycetes and Trichoderma spp. for cellulase production utilizing crude substrates by response surface methodology, Springer Plus-2014
- M. Kumar et al., Healthy Response from Chromium Survived Pteridophytic Plant- Ampelopteris prolifera with the Interaction of Mycorrhizal Fungus- Glomus deserticola, Intn. J. of Phytoremediation-2013

**Publications (Books 14/Chapters 12)**
- P. Teotia, M. Kumar, and V. Kumar, Microbial Potential and Biofuel Production, 2019, Sustainable Green Technologies for Environmental, Editor - S. Shah et al. (eds.), Publisher - Springer Nature Singapore Pte Ltd., ISBN - 978-981-13-2771-1
- V. Kumar, M. Kumar, R. Prasad, (Eds.), Phytobiont and Ecosystem Restitution, 2018, Publisher - Springer Nature Singapore Pte Ltd., ISBN - 978-981-13-1187-1

**Contact**
- E-mail : manoj@cuj.ac.in
- Mobile : 9801233816
Dr. Ashish Sachan
Associate Professor

Qualification
- Ph.D. (Applied Microbiology)
  Bioconversion of 4-coumaric acid into 4-hydroxybenzoic acid and 3,4-dihydroxycinnamic acid by selected microorganisms
- M.Sc. (Microbiology), M. Tech. (Applied Botany)

Experience - 12.9 years
Specialization - Microbial Biotechnology
Research Areas
- Microbial Transformation, Microbial degradation of pollutants

Research Guidance Total - 05
Research Project
- Bioprocess Development for efficient Triclosan Degradation (CSIR NO. 24 (030) / 16 / EMR II), Funding Agency - CSIR, Govt. of India, Funding Amount - 9 Lakhs, Duration - 2016-19

Publications (Journals) Total - 24
- P. Gupta, R. S. Singh, A. Sachan, A. S. Vidyarthi, A. Gupta (2012), A re-appraisal on intensification of biogas production. Renewable & Sustainable Energy Reviews. 16: 4908–4916. (IF: 9.184; Citation: 49)

Publications (Book - 1 / Chapters - 3)

Contact
E-mail : ashish.sachan@cuj.ac.in
Mobile : 8986890647
Dr. Praveen Kumar Sharma  
**Assistant Professor**

**Qualification**  
Ph D. Zoology/ Department of Zoology  
Banaras Hindu University,  
Title: Expression and regulation of Estrogen receptors in cerebral cortex of Aging Mouse  
M.Sc. in Zoology  
Post Doctoral: University of Louisville, KY, USA  
Area: Chemokine Biology

**Experience** - 14 Years

**Specialization**  
Neurobiology, Molecular Biology, Metabolic Regulation

**Research Areas**  
Neurobiology of Stress, Cell Signaling Transcription Regulation

**Research Guidance**  
- Shovit Ranjan, 2013, Role of Brain Derived Neurotrophic factor in type 2 Diabetes  
- Manisha Pallavi, 2018

**Research Project**  
- Molecular Biology of Type 2 diabetes pathology, Funding Agency - DBT, Duration - 2014-2019

**Publications (Journals)**  

**Publications (Book/Chapters)**  

**Contact**  
E-mail : pksharma@cuj.ac.in  
Mobile : 8229813927

Dr. Anil Kumar  
**Assistant Professor**

**Qualification**  
Ph.D. in Biotechnology  
Title - Physiological and Molecular Basis of Toxin Production by the Blooms of Microcystis SPP.  
M.Sc. In Biotechnology  
Post Doc as DBT-Research Associate at Central Drug Research Institute, Lucknow, U.P., India  
Title - Study of mycobacterial protein Rv3097c from Mycobacterium tuberculosis H37Rv and elucidation of its role in lipid metabolism and virulence

**Experience** - 10 Years

**Specialization**  
Microbiology, Molecular Biology, Biotechnology

**Research Areas**  
Biofertilizers, Bioremediation, Antimicrobials

**Research Guidance**  
- Preeti Swarupa, 2013, Characterization of plant growth promoting bacteria and their tolerance to agrochemical-chlorpyrifos
• Vikram Pal Gandhi, 2014, Molecular analysis of mlrA gene containing bacteria isolated from microcystin infested water bodies
• Menka Kumari, 2018, Evaluation and formulation of plant growth promoting bacterial consortium
• Amit Kumar Gautam, 2013

Research Project
• BUILDER (Departmental), Funding Agency - DBT, Funding Amount - 4 crore, Duration - 2014-2019

Publications (Journals) Total - 6

Publications (Book/Chapters) Total - 3

Contact
E-mail : anil.kumar@cuju.ac.in
Mobile : 9955273226

Qualification
Ph.D. in Life Sciences
Title - Involvement and identification of potent cell cycle regulators in oral squamous cell carcinoma
M.Sc. In Zoology
Post Doc, Texas A & M University, USA & Loyola University Chicago, USA.

Experience - 13 Years
Specialization -
Cell Biology / Biotechnology, Molecular Biology, Biochemistry

Research Areas -
Cell Biology, Cancer Biology, Drug resistance, Invasion/ metastasis/ stemness

Research Guidance
• Dr. Manzar Alam, 2014, Identification of key apoptotic molecules and their upstream pathway/s causing cytotoxic drug induced chemo-resistance in human oral squamous cell carcinoma and targeting them for improved chemo-sensitization
• Dr. Kamdeo K. Pramanik, 2014, Role and regulation of matrix metalloproteinase-2 (MMP-2) and MMP-9 in chewing tobacco mediated human oral squamous cell carcinoma
• Tanushree, 2015, Identification of oral cancer stem cells (CSC) in invasive and chemo-resistant human oral tumour
• Nidhi Nath, 2017, Status of Wnt, GSK3-beta signaling in cervical cancer progression and resistance

Research Project
• Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer as PI, Funding Agency - D.B.T., Govt. of India, Funding Amount - 42 Lacs, Duration - 2013-2016
• D.B.T. Boost Programme, Govt. of India- as Co-PI, Funding Agency - D.B.T., Govt. of India, Funding Amount - 5 Crore, Duration - 2014-2019

Publications (Journals) Total - 30
• S. Das, R.S. Nair, R. Mishra, G. Sondarva, N.
Viswakarma, H. Abdelkarim, V. Gaponenko, B. Rana and A. Rana, Mixed Lineage Kinase 3 promotes breast tumorigenesis via phosphorylation and activation of p21 activated kinase 1, 2019, Oncogene, Publisher - Nature Publications, ISSN - 0950-9232, 27369


- S. Nagini, S. Josephraj, R. Mishra, Glycogen synthase kinase: Moonlighting proteins with theranostic potential in cancer, 2018, Seminars in Cancer Biology, Volume - 17, Issue - 1, Publisher - Elsevier Science, ISSN - 30179-7, 35744

Publications (Book/Chapters)

- R. Mishra and S. Nagini, ADAM and ADAMTS Family of Metalloproteinases: Role in Cancer Progression and Acquisition of Hallmarks, 2017, Proteases in Human Diseases, DOI: 10.1007/978-981-10-3162-5_15, Editors - Sajal Chakraborti and Narajan S Dhalla, Publisher - Springer Publishers, ISSN - 978-981-10-3161-8


Contact

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Dr. Hena Firdaus
Assistant Professor

Qualification

Ph.D. Developmental Biology/ Cell biology/Muscle development/Drosophila genetics/ Indian Institute of Science (IISc) , Bangalore
Title - Genetics of Drosophila indirect flight muscles: Unraveling the roles of genes involved in muscle development and function
Master in Biochemistry major

Experience - 7 Years

Specialization -
Developmental Biology, Cell Biology, Drosophila genetics and muscle biology

Research Areas -
Develop Mental Biology, Cell Biology, Heavy metal stress

Research Guidance

- Kumari Pragati nanda, 2015, Assessment of development defects and immunotoxicity due to heavy metal exposure in Drosophila melanogaster

Research Project

- Support to establish DBT-Boost to Central University of Jharkhand Interdisciplinary Life Science Departments for Education and Research (BUILDER) programme (No. BT/PR9028/IN/22/193/2013, Funding Agency - Department of Biotechnology, Funding Amount - Rs. 4.43 crore, Duration - 5 years, Nov-14 - Nov-19

Publications (Journals)


Publications (Book Chapter-1)

Dr. Pallavi Sharma
Assistant Professor

Qualification
Ph.D. in Biochemistry
Title - Antioxidant Mechanism and role of osmolytes in growing rice seedlings under stressful conditions.
M.Sc. In Biochemistry

Experience - 9 Years

Specialization -
Plant Stress Biology, Biochemistry and Biophysics, Plant Molecular Biology

Research Areas -
Plant Stress Biology, Plant Molecular Biology, Plant Biochemistry and Biophysics

Research Guidance
- Rajani Singh (supervisor), 2015, Arsenic toxicity and tolerance mechanisms in bioenergy crop Ricinus communis.
- Rini Rahul (supervisor), 2017, Deciphering the mechanisms of cadmium toxicity and tolerance in bioenergy crop Ricinus communis.
- Kiran Kachhap (Co-supervisor), 2013, Analysis of secondary metabolite production and antioxidant potential in callus culture and cell suspension culture of Ocimum sanctum (L)
- Sonam Kumari (Co-supervisor), 2018

Research Project
- Genome wide transcriptional analysis of heavy metal tolerance mechanism in bioenergy crop Ricinus Communis, Funding Agency - DST-Science & Engineering Research Board (SERB) for Early Career Research Award Program, Funding Amount - Rs 3470500, Duration - 3 years, 2017-2020
- UGC startup grant, Funding Agency - UGC, Funding Amount - Rs. 600000, Duration - 2 years, 2017-2019

Publications (Journals) - Total - 20
- P. Sharma, M. Gangola, C. Huang, H.R. Kutcher, G. Seedhabadee and R.N. Chibbar, Single Nucleotide Polymorphisms (SNPs) in B-Genome specific UDP-Glucosyl Transferases associated with Fusarium Head Blight Resistance and reduced deoxynivalenol accumulation in wheat grains, 2018, Phytology, Volume - 108, Issue - 1, Publisher - American Phytopathological Society, ISSN: 0944-1344 (Print) 1614-7499 (Online), UGC Indexed No. 30915

Publications (Book/Chapters) - Total - 15
- R. Singh, A.B. Jha, A.N. Misra, P. Sharma, Aapation mechanisms in plants under heavy metal stress conditions during phytoremediatio


Contact
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The Department of Mathematics (formerly Centre for Applied Mathematics) was started in July 2009 under the School of Natural Sciences of Central University of Jharkhand. This department is first in Jharkhand to offers 5 years integrated M.Sc. program on Applied Mathematics. It has started two year M. Sc. Program since 2017. It also offers PhD. program in Mathematics and allied subjects.

Dr. Hrishikesh Mahato
Assistant Professor

Qualification
Ph.D., Mathematics, Ranchi University
Title - A Study of finite Commutative Rings, Codes and Rational approximation
M.Sc.in Mathematics, Ranchi University

Experience - 10 Years

Specialization
Discrete Mayhematics, Number Theory, Algebra

Research Areas -
Discrete Mayhematics, Number Theory, Algebra

Research Guidance
• Siddhesh Satyakar, Study on Generalized of Hadamard Matrix, 2013
• Naseer Ahmed Malik, Study of Generalization of Hadamard Matrix, 2014
• Shipra Kumari, Study on Constructions of Hadamard Matrices, 2015
• Kalika Prasad, Coursework going on, 2018

Publications (Journals) Total - 04
• H. Mahato, On Existence of Williamson Symmetric Circulant Matrices, 2011, Institute of Mathematics, Academia Sinica, ISSN: 2304-7909 (PRINT) ISSN: 2304-7895 (ONLINE)
• K. C. Prasad, H. Mahato, Sudhir Mishra, A New Point in Lagrange spectrum, 2013, World Scientific Publ Co Pte Ltd., ISSN Number : 17930421, e-ISSN Number 17937310, UGC Indexed No. 23228
• N. A. Malik, H. Mahato, Yates Quaternary Complex Hadamard Matrix, 2017, Seventh Sense Research Group, UGC Indexed No. 48198

Contact
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Mobile : 8210024747

Dr. Jagmohan Tanti
Assistant Professor

Qualification
Ph.D., Pune University
Title - Roots of Unity in finite fields, Jacobi sums and Euler's critirion
Master in Mathematics, Utkal University

Experience - 8 Years

Specialization
Algebra, Number Theory, Representation Theory

Research Areas
Algebra, Number Theory, Representation Theory

Research Guidance
• Md. Helal Ahmed, Jacobi sums and cyclotomic numbers of order 2^p2, 2015
• Shikha Singh, Hybrid power mean of inversion of L-function and Gauss sums, 2015
• Dilchand Mahto, Space of invariant bilinear forms under representation of a finite group, 2017
• Munesh Kumari, undergoing course work, 2018

Publications (Journals) Total - 07
• J. Tanti and R. Thangadurai, Distribution of residues and primitive roots, 2013, Springer, ISSN (Print/Online) 0253-4142, UGC Indexed No. 38533
• R. S. Kulkarni and J. Tanti, Space of Invariant Bilinear forms, 2018, Springer, ISSN (Print/Online) 0253-4142, UGC Indexed No. 38533
• S. Singh and J. Tanti, Hybrid mean value of 2k-th power inversion of L-functions and general quartic Gauss sums, 2019, Springer, ISSN (Print/Online) 0253-4142, UGC Indexed No. 38533
• S. A. Katre and J. Tanti, Euler's criterion for eleventh power nonresidues, Springer, ISSN (Print/Online) 0253-4142, UGC Indexed No. 38533
• J. Tanti, Euler's criterion of prime order in PID case, Polish academy of sciences Inst of Mathematics-Impan,
**Dr. Jitendra Kumar**  
Assistant Professor

**Qualification**
- Ph.D. in Mathematics, IIT Roorkee  
- Master in Industrial Mathematics and Informatics, IIT Roorkee

**Experience** - 6 Years

**Specialization**
- Differential Equations, Linear Algebra, Applied Mathematics

**Research Areas** -
- Differential Equations, Astrophysics, Similarity Transformation

**Research Guidance**
- Amit Kumar Prasad, Some Isotropic ans Anisotropic Fluids in General Relativity, 2016  
- Abhijit Sarkar, Course Work, 2018

**Publications (Journals) Total - 11**
- J. Kumar and Y.K. Gupta, A Class of well behaved generalized charged analogues of Vaidya-Tikekar type fluid spheres in general relativity, 2017, Springer, ISSN (Print/Online) 0004640X, UGC Indexed No. 1409
- J. Kumar and Y.K. Gupta, A Class of New Solutions of generalized charged Analogues of Buchdhal's type super dense dense star, 2013, Springer, ISSN (Print/Online) 0004640X, UGC Indexed No. 1409

**Dr. P. K. Parida**  
Assistant Professor

**Qualification**
- Ph.D. in Mathematics, IIT Kharagpur  
- Master in Mathematics, Utkal University  
- Post Doc in Numerical Analysis

**Experience** - 10 Years

**Specialization** - Numerical Analysis, Mathematical Optimization, Numerical Functional Analysis

**Research Areas** -
- Numerical Analysis, Mathematical Optimization, Numerical Functional Analysis

**Research Guidance**
- Dr. Shwet Nisha, Convergence Analysis of Newton-Like Methods for Nonlinear Equations in Banach Spaces, 2013 (Awarded)  
- Dr. Himanshu Kumar, Numerical Solution of Fuzzy Nonlinear Equations, 2013 (Awarded)  
- Prasanta Kumar Sahoo, 2014  
- Chandni Kumari, Convergence analysis of higher order iterative methods in Banach spaces, 2015  
- Chandresh Prasad, Convergence Analysis of Newton-Like Methods for Nonlinear Equations in Riemannian Manifolds, 2018

**Publications (Journals) Total - 23**
- C. Kumari and P. K. Parida, Local convergence analysis for Chebyshev’s method, 2019, Springer, ISSN (Print/Online) 1598-5865, UGC Indexed No. 21400
- H. Kumar and P. K. Parida, On Semilocal convergence of two step Kurchatov method, 2017, Taylor & Francis,
ISSN (Print/Online) 1029-0265, UGC Indexed No. 2773

• I. K. Argyros, **P. K. Parida**, Expanding the Applicability of Stirling’s Method under Weaker Conditions and Restricted Convergence Regions, 2018, Sciendo (De Gruyter), ISSN (Print/Online) 1841-3307, UGC Indexed No. 47430

• H. Kumar and **P. K. Parida**, Three step Kurchatov method for Nondifferentiable operators, 2017, Springer, ISSN (Print/Online) 2199-5796, UGC Indexed No. 48876


**Contact**

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The Department of Computer Science and Technology has been started in 2018 under the school of Natural Sciences. Initially, only PG Diploma in Cyber Security with an intake of 28 students; and Ph. D. program has been offered. The department is going to offer M. Tech. Program in Computer Science and Technology from upcoming session 2019/20. It is the department’s ambition to be internationally recognized as a leader in computer science and technology, a department with coherent activities within research, education, development and industry cooperation. The research in the department is focused on major thrust areas of computer science and technology like Network Security, Computer Databases, Cloud Computing, Soft Computing, Commonsense Reasoning, Cognitive Robotics and on other relevant areas of Computer Science and Technology. Including interdisciplinary research work with other streams/subjects/ technology.

Dr. Subhash Chandra Yadav
Associate Professor

Qualification
Ph.D.(Application Computers in Science)
Title - Role of Computer Animation in Development of Tutoring System for Chemical Reactions.
M.Sc. in Chemistry, MCA, M.Tech. (IT)
M. Phil. (CS), MBA (IT & HR)

Experience - 21 Years

Specialization
Data Base, Software, Engineering, Programming concepts, Networking.

Research Areas
Database, Soft Computing, Network Security

Research Guidance
• Dashrath Mahto, 2018, Course Work

Research Project
• Applications of GPS/GIS & Remote Sensing in the development of Planning and Management. Funding Agency - DST, Earth & System Science Department, Funding Amount- 6 Lakhs.
• Land use Planning, Management & Sustainable Development, Funding Agency - DST, Earth & System Science Department, Funding Amount- 6.5 Lakhs.

Publications (Journals) Total-17

Publications (Book/Chapters) Total-9
• N. L. Yadav, S. K. Agarwal, S. C. Yadav; A review on advancement of Medical Images through the enhance techniques, Recent Advances in Management & Technology, Bharti Publications, New Delhi, (2019).

Awards/Fellowship
• Platinum Jubilee Award by ISCA, 2018.
• National Significant Contribution, CSI, 2012.
• National Significant Contribution, CSI, 2011.

Contact:
E mail : dr.scyadav@cuj.ac.in
Mobile : 9415870233
The Department of Energy Engineering (formerly Centre for Energy Engineering) came into existence in July 2011 under the school of Engineering and Technology. The department is committed to the mission and goals of the University for not only Teaching and Research but also overall development of the region and the country by emphasizing on the need of renewable energy technologies and their applications for the common masses. The department is currently running five years integrated M. Tech. program, and offering 2 years M Tech as well as PhD program in Energy Engineering. The department is in the process of developing new high quality research facility on Energy Engineering under a development and innovation-friendly environment for nurturing and promoting novel ideas with intensive interaction and co-operations at all levels. The Centre of Excellence in Green and Efficient Energy Technology has been established with funding under FAST scheme of Ministry of Human Resources and Development, Government of India is a step in that direction. The department has already signed/ taken initiative to sign MoU with a few specialized organizations working in the field of energy. It also offers GATE fellowship for M.Tech and NREF fellowship for Ph.D.

Dr. S.K. Samdarshi
Professor

Qualification
- Ph.D. in Energy, IIT Delhi
- Title - Study of Top Heat Loss Factor of Flat Plate Solar Collector
- M.Sc. in Physics, IIT Delhi

Experience - 28 Years

Specialization
- Energy, Solar Energy, Photoactive Solar Thermal Conversion

Research Areas

Research Guidance
- Total - 10
  - Atul Sagade, 2013 (Generalization of the Test Standards for Intermediate Temperature Solar Cookers and its Utilization for Investigations on Design Parameters and Variations)
  - Kumar Gaurav, 2016 (Solar Photoactive Materials)
  - Neha Kumari, 2017 (Novel Solar photoactive nanomaterials)

Research Project
- Centre of Excellence in Green and Efficient Energy Technology, Funding Agency - MHRD, Govt. of India
  - Amount - Rs. 250.00 Lakh, Duration - 2014-2020

Publications (Journals)
- Total-53

Publications (Book/Chapters)
- Total-05

Awards/Fellowship/Honors
- Adjunct Professorship, SMVD University, Katra, Jammu
- Leadership in Academics Programme(LEAP) Fellow
- Academic Council Member, Nagaland Central University
- Member, Academic Advisory Committee, National Resource Centre for Energy System Egg. IIT Bombay
- Member, ESDR Panel, JSERC, Ranchi

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- sanjoy.samdarshi@cuj.ac.in
Dr. Devdas B. Lata  
Associate Professor

Qualification  
Ph.D. in Mechanical Engineering, Birla Institute of Technology, Mesra,  
Title - Some Investigations On The Performance Of Dual Fuel Diesel Engine with Hydrogen and LPG as secondary fuels"  
M.E. (Thermal Power)

Experience - 33 Years

Specialization  

Research Areas  

Research Project  
Design and Development of Bio-mass assisted dual fuel diesel engine for rural electrification.  
Funding Agency - Jharkhand Council of Science and Technology, Ranchi, Jharkhand  
Funding Amount - Rs 5,00,000  
Duration - 2018-20

Publications (Journals)  
Total - 14  

Publications (Book/Chapters)  
Total - 03  

Contact  
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Mobile : 9284795918;9431382608

Dr. Bishnu Mohan Jha  
Assistant Professor

Qualification  
Ph.D. in Engineering  
Title - Effect of ECM Process Variables on Surface Produced and Machined Geometry  
M. Tech. in Manufacturing Engineering  
B. Tech. in Electrical & Electronics Engineering

Experience - 09 Years

Specialization  
Basic Electrical Engineering, Power Electronics, Control and Automation

Research Areas  
Smart Grid, DSM, Automation.
Dr. Basudev Pradhan  
Assistant Professor

Qualification  
Ph.D. in Physics from Indian Association for the Cultivation of Science and Jadavpur University, Kolkata  
Title - Organic Photovoltaic devices: Role of heterostructures and device architecture  
M.Sc. In Physics  
Post Doctoral - Solar cell and Nanoelectronics/ Uni of Potsdam, Germany, University of Surrey, UK, University of Wisconsin-Milwaukee, USA, Arizona State University, USA  
Title - organic solar cell, organic electronics, Infrared Sensor, Nanoscience and Nanotechnology

Experience - 16.5 Years  
Specialization - Solar Photovoltaics, Materials Science, Nanoelectronics  
Research Areas  
Next generation solar cells(Organic, Perovskite), Electronic and Optoelectronic Devices, Nanoscience and Nanotechnology.

Publications (Journals) Total-07
- Effect of Electrolyte Concentration on Material Removal Rate and Overcut during Machining of SG Iron, IJSPR Volume 22, Number 03, 2016.  
- Overcut And Profile Of The Machined Features In Electrochemical Machining, IJMMCE, Vol 1, Issue 1, Jan – Jun 2016; 29-40

Contact  
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Mobile : 9835917587

Research Guidance  
- Sandeep Kumar, 2016, Fabrication and characterization of high efficiency quantum dot-sensitised solar cells.

Research Projects  
- Development of High-Efficiency Organic Photovoltaic Devices, Funding Agency - DST, Govt. of India, Amount - Rs 87,40,000/- Duration - 2013-18  
- Development of highly efficient inverted organic solar cells, Funding Agency - SERB, DST Govt. of India, Amount - Rs 23,00,000/-, Duration - 2014-17  
- Centre of Excellence (CoE) in Green & Efficient Energy Technology (GEET) (with other 4 faculty members), Funding Agency - MHRD, Govt. of India Amount - Rs 2,50,00,000/-, Duration - 2014-19  
- Investigation of Compositional Engineering for Efficient Perovskite Solar Cells (Co-PI), Funding Agency - DST-CERI, Amount - Rs 99,64,200/- Duration - 2016-19  
- Development of Highly Efficient Hybrid Solar Cells Funding Agency - UGC, Amount - Rs 6,00,000 Duration - 2014-16

Publications (Journals) Total-21

Awards/Fellowship  
- Alexander von Humboldt Research fellowship.  
- Ramanujan Fellowship  
- Bhaskara Advanced Solar Energy Fellowship-2018, National Scholarship

Contact  
E-mail : basudev.pradhan@cuj.ac.in  
Mobile : 9163462129/ 8084510108
Dr. Sachin Kumar  
**Assistant Professor**

**Qualification**
- Ph.D. in Chemical Engineering, NIT Rourkela
- Title - Conversion of Waste HDPE into Liquid Fuels
- M. Tech in Fuel Engineering, ISM, Dhanbad

**Experience** - 09 Years

**Specialization**
- Fuels and Combustion, Bio Energy, Energy and Environment

**Research Areas**
- Pyrolysis, Alternative Fuels for I C Engines, Catalysis

**Research Guidance**
- Satya Prakash Pandey, 2017, Biofuel from Biomass
- Satya Narayan Pattnaik, 2015, Waste to Energy, Co-supervisor

**Research Project**
- UGC Startup Grant, Funding Agency - UGC, Govt. of India, Amount - Rs 6 Lakh, Duration - 2015-17
- Centre of Excellence, Funding Agency - MHRD, Govt. of India, Amount - Rs 250 Lakh, Duration - 2014-19

**Publications (Journals)**
- Total - 22

Contact:  
E-mail: sachin.kumar.01@cuj.ac.in

---

Partha Sarthi Panja  
**Assistant Professor**

**Qualification**
- M.Tech.

**Experience** - 36 Years

**Specialization**
- Design and Production Engineering, I.C.Engine, Solar Thermal

**Research Areas**
- Wind Turbine, Solar Thermal, I.C.Engine

**Publications (Journals)**
- Total - 22
  - Experimental determination of effective concentration ratio for solar box cookers using thermal tests. [Solar Energy Vol: 159 (2018)]
  - Enabling rating of intermediate temperature solar cookers using different working fluids as test loads and its validation through a design change. [Solar Energy Vol: 171]

Contact:  
E-mail: partha.panja@cuj.ac.in
Mobile: 8210940542
Dr. H. P. Singh
Professor

Qualification
Ph.D. (IIT Roorkee).
M.Tech. (Civil Engineering)

Experience - 27 Years

Specialization
Geotechnical Engineering.

Research Areas
Soil Liquefaction, Ground Improvement Technique, Geosynthetic and Reinforced, Soil and Utilization of Pond, Ash as construction material.

Research Guidance
Total - 2 (Doctoral)
- Sanny Kumar, 2017, Experimental Study of Dip modified Velocity profiles in fully developed Open Channel Flow (Flume study)

Publications (Journals)
Total - 20


Patents: Total - 2
- A method and device to improve the strength characteristics of pond ash deposits, AICTE through Quality Improvement Program, 2011
- A method for improving the liquefaction resistance of pond ash deposits, AICTE through Quality Improvement Program, 2012

Contact
Email: singh.harendra121@gmail.com
Mobile: 8521937013
Dr. Ajai Singh
Associate Professor

Qualification
Ph.D. in Soil and Water Conservation Engineering, Sam Higginbottom Institute of Agriculture, Sciences and Technology, Allahabad
M. Tech.

Experience - 22 Years

Projects/Consultancy
• Leading a team of Social Impact Assessment of CUJ. Completed 21 SIA studies of Infrastructural projects of Government of Jharkhand.
• Leading a team to evaluate the Detailed Project Report of Weirs/Check Dams constructed by Drinking Water and Sanitation Department, Government of Jharkhand, Ranchi.
• Nodal Officer, Integrated Agromet Advisory Services, IMD, Ministry of Earth Sciences, Govt. of India

Research interests
• Runoff production mechanism, River basin geomorphology, Hydrologic impact assessment studies, Physically-based, distributed watershed modeling, Soft Computing, Design of Micro Irrigation System, Water resource systems modeling, optimization and control Environmental and Social Impact Assessment

Publications (Journals) Total - 28

Publications (Book/Chapters) Total - 10

Professional Affiliations
• Fellow of The Institution of Engineers (India)
• Indian Society of Agricultural Engineers
• Indian Water Resources Society
• Indian Association of Hydrologist
• Indian Meteorological Society
• Crop and Weed Science Society

Editorial
• Member of Editorial Board of Sustainable Agricultural Research, ISSN 1927-050X, Canadian Center of Science and Education.
• Member of Editorial Board of Advances in Water Resource and Protection (ISSN Print: 2327-7319)
• Associate Editor. International Journal of Hydrology. MedCrave Group, OK, ISSN: 2576-4454

Awards

Contact:
E-mail : ajai.singh@cuj.ac.in
Mobile : 9031450087
Dr. Prabeer Kumar Parhi  
**Assistant Professor**

**Qualification**
- Ph.D (Hydrology)
  - Title: Optimal Planning and Management of Irrigation Water in a Command Area
- M.Tech (Hydrology)

**Experience** - 8 Years

**Specialization** - Hydrology

**Research Areas**
- Optimization in Water Resources Engineering

**Research Guidance**
- Ph.D -04 (Continuing)

**Publications (Journals)**
- 12 Total

**Publications (Book/Chapters)**

**Contact:**
- E mail : prabeer11@yahoo.co.in
- Mobile : 8102262455

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Dr. Birendra Bharti  
**Assistant Professor**

**Qualification**
- Ph.D. (IIT Roorkee), M.Tech. (IIT KGP)

**Experience** - 8 Years

**Specialization**
- Hydrological Modelling, Water Resources Planning and management, Soft Computing

**Research Areas**

**Research Guidance**
- Ph.D. (03 Ongoing)

**Publications (Journals)**
- 05 Total
  - A. Jadhav, A. Pandey, **B. Bharti**, 2012, Spatial soil erosion and sediment yield modeling of a watershed
using GISInternational Agricultural Engineering Journal (IAEJ) in the 3-4 issue of 2012.

Publication (Books/Chapters) Total-03

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Dr. Pratibha Warwade
Assistant Professor

Qualification
Ph.D in Water Resources Development and Management, IIT Roorkee
Title: Study of Climate Change and its Impact on a Part of Brahmaputra River Basin
M. Tech in Soil and Water Engineering

Experience - 7 Years

Specialization
Watershed Management, Climate Change, Drought Analysis

Research Areas
Climate change impacts on watershed, Use of RS and GIS in Watershed Development and Management, Drought and Flood Monitoring

Research Guidance : Ph.D. ( 02 Ongoing)

Publications (Journals) Total : 8
- P. Warwade, N. Sharma, B. Ahrens and A. Pandey, Characterization and analysis of the trend of climate variable (temperatures) for the north eastern region of the India”. International Journal of recent scientific research, International Journal of recent scientific research 6, 4, 2015, Netherland, 9763031, UGC Indexed No. 46629

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DEPARTMENT OF WATER ENGINEERING & MANAGEMENT
The Department of Nano Science & Technology (formerly Centre for Nanotechnology) was established in July 2010 under the School of Engineering and Technology. The department started with offering the Integrated M. Tech. program in Nanotechnology during 2009 as suggested by the advisory board. The Doctoral level programme in Nanotechnology has been started from academic session 2014-15 and the M. Tech. program in Nanotechnology has also been started from academic session 2017-2018. The department has highly motivated and deserving faculties having ample experiences in teaching and Research. Department faculties have total eighty four (84) publications in the UGC indexed international repute journals of average impact factor three to four, one (01) international commercialized patents, twelve (12) book chapters. The department is running four (04) projects of approx. two crore funded by the DST, MHRD and UGC. The graduated students of the department are shining their talent to the various institutes of National and international importance in the world.

Dr. Gajendra Prasad Singh
Associate Professor

Qualification
Ph.D. in Materials Science and Engineering
Title: Electrical, giant magnetoresistance and optical properties in silver modified chromium dioxide of core-shell nanostructure
M. Tech.,
Post-Doctoral: Kansas State University, Manhattan, Kansas, USA

Experience - 10 Years

Specialization
Nanomaterials for renewal Energy production Material science and Engineering
Physical Sciences

Research Areas
Photocatalytic water splitting, photovoltaic and Supercapacitors, Magnetic materials for energy applications, Dielectric Materials

Research Guidance
• Parameswar Kommu, (2014-2018), Synthesis and characterization nano structured electrode materials for applications of li-ion battery
• Soumita Jana (2014-Ongoing), Synthesis of graphene supported metaloxide nanocomposites for energy storage supercapacitors applications
• Vikash Kumar (2017-Ongoing), Production of hydrogen from photocatalytic water splitting

Research Project
Synthesis and Characterization of Electromagnetic Wave Absorption Properties of Ferrite based Nanocomposites for High Speed Communication Applications., Funding Agency: Department of Science and Technology, New Delhi, Amount: 16.44 lakhs, Year: 2016-2019

Patent: 01
Process for High Yeild production of Graphene via detonation of Carbon containing materials,
US Patent No.: US 9440857B2,
Publication Date: 13 September 2016
Inventors: Chris Sorensen, Arjun Nepal, Gajendra Prasad Singh

Publications (Journals) Total - 22
• A. Nepal, G. P. Singh, B. N. Flanders and C. M. Sorensen (2013): One-step synthesis of graphene via catalyst-free gas-phase hydrocarbon detonation, Nanotechnology, 24, 245602 (7pp), IOP, ISSN: 0957-4484/1361-6528, UGC Index No.37227
Publications (Book/Chapters) Total-06


Awards & Honors:

• Fast Track Young Scientists (2011), Department of Science & Technology, Govt. of India

• BOYSCAST Fellowship (2010-2011), Department of Science & Technology, Govt. of India

• Research Associates (2009), Council of Scientific & Industrial Research, Govt. of India

• Senior Research Fellowship (2008-2009), Council of Scientific & Industrial Research, Govt. of India

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Dr. A. S. Bhattacharyya
Assistant Professor

Qualification
Ph.D. in Materials Engineering, CSIR-NML
M.Sc. Physics, M.Tech Materials Engineering,
Post Doc Materials Science from IACS, Calcutta

Experience - 10 Years

Research Guidance

• Parameshwar Kommu, 2018, Synthesis and Characterization of Nano structured electrode materials for Li ion battery

• Ramagiri Praveen Kumar, 2019, Computational Studies of Sputtered thin films and Nanoindentation

• Soumita Jana, 2019, Graphene based Super capacitors

• Kumar Gaurav, Investigation of Titania and Tungsten oxide for photocatalytic applications

Research Project

CoE GEET (joint PI), Funding Agency: MHRD, Govt. of India, Amount- 2.5 Crores, Duration-2015-2020
Plasma Surface modification of bismaleimide coatings deposited on aluminium sheets, Funding Agency: SERB, Amount-7.1 Lacs, Duration: 2012-2015

Publications (Journals)


Publications (Book/Chapters)

• S. Mishra; A. S. Bhattacharyya Adhesion and indentation fracture behaviour of SiCN Nanocomposite coatings deposited by magnetron sputtering, Silicon based Nanomaterials  HLi, J Wu, Z M. Wang Springer
Dr. Lawrence Kumar
Assistant Professor

Qualification
Ph.D. in Magnetic Nanomaterials area/ IIT Patna, Title: Crystal Structure and Magnetic Anisotropy of Substituted Cobalt Ferrite
M. Tech. in Materials Science and Technology/ IIT-BHU-Varanasi

Experience - 8 Years

Specialization - Materials Science, Nanoscience, X-ray diffraction

Research Areas
Magnetic Nanomaterials, Multifunction Nanocomposite and Complex Oxide Materials, Nanomaterials for Energy Application and Structure-Property Correlation

Research Guidance
- Durgesh Kumar, 2016, Numerical Modelling and Simulation of Multijunction Solar Cell.
- Sanjeet Kumar Paswan, 2018, Synthesis of NiFe2-xMxO4, x=Al, Mn, La, Sm, Ho) and their structural, magnetic, electric and optical properties

Publications (Journals)
- S. Supriya, L. Kumar, M. Kar, Optimization of Dielectric Properties of PVDF-CFO Nanocomposites, POLYMER COMPOSITES, 40, 3, 2019, Wiley 1548-0569, UGC Indexed No. 38111
- L. Kumar, P. Kumar, V. Kuncser, S. Greculeasa, B. Sahoo, M. Kar, 2 Strain induced magnetism and super exchange interaction in Cr substituted nanocrystalline cobalt ferrite, Materials Chemistry and Physics, 211, 2018, Elsevier, 0254-0584, UGC Indexed No. 3971
- L. Kumar, P. Kumar, M. Zope, M. Kar, 3High Temperature magnetic behaviour of 10% Aluminium substituted Cobalt Ferrite, Journal of Superconductivity and Novel Magnetism 30, 6 2017, Springer 1557-1939, UGC Indexed No. 10715
- S. Kumari, V. Kumar, P. Kumar, M. Kar, L. Kumar, Structural and magnetic properties of nanocrystalline yttrium substituted cobalt ferrite synthesized by citrate precursor technique, Advanced Powder Technology, 26, 2015 Elsevier, 0921-8831, UGC Indexed No. 11655
- L. Kumar, P. Kumar, M. Kar, Non-linear behavior of coercivity to the maximum applied field in La3+ substituted nanocrystalline cobalt ferrite, Physica B: Condensed Matter, 448, 2014 Elsevier 0921-4526, 30753, UGC Indexed No. 2017

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Dr. Ramesh Oraon
Assistant Professor

Qualification
Ph.D. in Nanoscience, IIT ISM Dhanbad
Title: Synthesis and Characterization of Nanoclay based hybrid electrode materials for high performance supercapacitor
M.Sc. (Chemistry)

Experience - 1.3 Years

Research Project
- Development of self-assembled hierarchical porous nanostructured carbonaceous metal oxide conducting polymer based hybrid electrode materials and their electrochemical study SERB (EMEQ), Funding Amount: 42.66 lakhs
Duration: 2019-2022
- Development and electrochemical study of organic-inorganic based hybrid electrode materials: Towards
supercapacitor and sensing application, Funding Agency: DST, New Delhi, Funding Amount: 42 Lakhs, Duration: 2019-2022

Publications (Journals)

Publications (Book/Chapters)

Contact
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The Department of Environmental Sciences (formerly Centre for Environmental Sciences) was established in July 2012 under the aegis of School of Natural Resource Management. The department is presently offering five years integrated M. Sc., two years M. Sc., and Ph. D. in Environmental Sciences. The department has diversified research and academic interest in various earth, atmospheric, chemical, and biological processes to understand the linkage between ecological and social processes to attain a more sustainable environment. We have a highly interdisciplinary team working on the complex interactions between different components of the environment to determine its impacts on food and livelihood security, climate change mitigation and adaptation through green technologies as well as associated ecosystem services in the immediate and long-term perspectives. Our approach is to underpin our research with a strong theoretical framework that is firmly imbedded in leading edge experimentation and extension program. This will help in facilitate the new generation of students to resolve the real-world problems through application based research.

Professor
Dr. Manoj Kumar

Qualification
Ph.D. in Agriculture Meteorology (BHU Varanasi)
Title - Some Studies in Agrometeorology (Specialization: Land Surface Processes over Sabarmati river basin using LASPEX data)
M.Sc. (Tech) In Geophysics (Meteorology)
Post Doctoral in DST-Young Scientist Fellowship (2002-2005)
Title- Hydrological modeling of land surface processes over Sabarmati river basin

Experience - 23 years

Specialization
Atmospheric Sciences, Environmental Sciences, Agricultural Meteorology and land surface process

Research Areas
Land surface processes & Energy balance, Aerosol & Impacts on monsoon, Climatology and Synoptic Meteorology

Research Guidance
• Smriti Priya, Characterisation and Effects of aerosol Radiative properties over mining region of Jharkhand, 2014
• Poulumi Chakraborty, Modeling of land surface atmosphere transfer interaction during pre-monsoon thunderstorm activity over extreme eastern end of monsoon trough axis, 2014
• Shashank Sri, Hydrological Modelling of land surface processes over extreme eastern end of monsoon, 2015

Research Project
Projects handled: Total 16 R & D projects handled with total outlay of Rs. 655.69 Lacs

Research Collaborations:
• Established Land Surface Atmosphere and Micrometeorological Observational System (LATMOS) in the Institute under Dept. of Science & Technology, GoI’s mega field campaign for CTCZ and STORM Scheme at BIT Mesra. Actively participated in DST’s and MoES’ STORM field campaign Other collaborative institutes are as follows:
• DST/MoES’s STORM and CTCZ field programme
• ISRO’s GBP programme – Out of 8 ISRO-GBP programme, involved in its 5 programme
• Involved in the state level field campaign on Lightning protection system
• DST/MoES, ISRO HQ. Bangalore, SPL VSSC Thiruvananthapuram, SAC Ahmedabad under project mode
• Involved in ISRO based GPS-Sonde System for RS/RW system to study thunderstorm activity and Planetary Boundary Layer study under SPL’s ABLN&C programme & under ISRO’s PRWONAM scheme.

Publications (Journals) Total - 72

Publications (Book-1, Chapters-5)
A. Kumar, M. Kumar, N. C. Mahanti, Land surface and micrometeorological process over trough.


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Dr. Bhaskar Singh
Assistant Professor

Qualification
Ph.D. in Applied Chemistry/IIT(BHU)
M.Phil in Environmental Sciences & Engineering
Title - Development and characterization of biodiesel from non-edible feedstocks (P. pinnata, M. indica, and S. Triguga)
M.Sc. in Environmental Sciences
Post Doc in Applied Chemistry, IIT (BHU) Varanasi
Post Doc in the Institute of Water and Wastewater Technology, Durban University of Technology, Durban, South Africa

Experiences - 9 Years

Specialization
Renewable Energy, Rainwater Harvesting, Solid Waste Management

Research Areas -
Biodiesel, Novel Heterogeneous Catalysis, Composting & Vermicomposting

Research Guidance
- Dipesh Kumar, Development of biodiesel from Millettia pinnata (karanja) oil using novel heterogeneous catalysts and improvement of its fuel properties, 2014 (Thesis Submitted)
- Priyanka Bharti, Development of biodiesel from non-edible feedstocks using nanocatalysts, 2015
- Rupam Bharti, Synthesis of biodiesel from waste cooking oil using heterogeneous catalysts, 2016
- Sweta, Development of health risk index by assessing heavy metals in soil, sediment, water and vegetables cultivated in the Subarnarekha river basin of Ranchi region, India, 2017

Research Project
UGC –BSR Research Start-UP-Grant Project Funding Agency - UGC, Amount - Rs. 6,00,000/- Duration - 2015-18

Publications (Journals) Total - 40
- D. Kumar, B. Singh, BaZeO₃ and Cs-BaZrO₃ catalysed transesterification of Millettia pinnata oil and optimization of reaction variables by response surface Box-Behnken design, 2019, Elsevier, ISSN (Print/Online) 0960-1481, UGC Indexed No. 10267
- D. Kumar, B. Singh, Tinospora cordifolia stem extract as an antioxidant additive for enhanced stability of karanja biodiesel, 2018, Elsevier, ISSN (Print/Online) 0926-6690, UGC Indexed No. 20968
- D. Kumar, B. Singh, A. Banerjee , S Chaterjee, Cement wastes as transesterification catalysts for the production of biodiesel from Karanja oil, 2018, Elsevier, ISSN (Print/Online) 0959-6526, UGC Indexed No. 21920
- D. Kumar, B. Singh, Role of biomass supply chain management in sustainable bioenergy production, 2017, Taylor and Francis, ISSN (Print/Online) 1759-7269, UGC Indexed No. 14652
- D. Kumar, B. Singh, J. Korstad, Utilization of lignocellulosic biomass by oleaginous yeast and bacteria for production of biodiesel and renewable diesel, 2017, Elsevier, ISSN (Print/Online) 1364-0321, UGC Indexed No. 10266
Publications (Book/Chapters)   Total - 17
• B. Singh, K. Bauddh, F. Bux, Edited Book Title: Algae & Environmental Sustainability, 2015, Springer India, ISBN No. 978-81-322-2639-0
• D. Kumar, B. Singh, K. Bauddh, Book Chapter Title: Greening the Indian Transport Sector: Role of Biodiesel, 2018, Springer Nature, ISBN No. 978-3-319-50654-9

Awards/Fellowship
• Pondicherry University Gold Medal awarded in M.Phil. (Environmental Science & Engineering)
• CSIR Research Associateship
• CSIR Senior Research Fellowship

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Dr. Kuldeep Bauddh
Assistant Professor

Qualification
Ph.D. in Environmental Science
M.Sc. In Environmental Science

Experience - 6 Years

Specialization
Environmental Pollution, Phytoremediation, Sustainable Agriculture

Research Areas
Environmental Pollution, Phytoremediation, Sustainable Agriculture

Research Guidance
• Jyoti Mehta, Phytoremediation of Metal nanoparticles from the contaminated aquatic ecosystems by using aquatic macrophytes, 2017
• Ankit, Microbe assisted phytoremediation using invasive species for removal of heavy metals from overburdened mining dump sites near Dhanbad, Jharkhand, 2018
• Lala Saha, Potential of bioenergy plants for phytomanagement of mining dump sites at Jharkhand, 2018

Research Project
• Effects of cadmium (Cd) on the yield and quality of Ricinus communis seeds and oil, Funding Agency - UGC, Amount - 6 lacs, Duration - 2015 - 2017
• Phytomanagement of the mining dump soil of West Singbhum, Jharkhand by using bioenergy plants Funding Agency - SERB, Amount - 2,676,000, Duration - 2018-2021

Publications (Journals)   Total - 31
• K. Bauddh and R.P. Singh, Ricinus communis L. as a value added alternative for restoration of cadmium contaminated and degraded agricultural ecosystem, 2016, Springer, ISSN (Print/Online) 0007-4861, UGC Indexed No. 9552
• K. Bauddh, A. Kumar, S. Srivastava, R.D. Tripathi and R.P. Singh, A study on effect of cadmium on antioxidative defense system and alteration in different functional groups in castor bean and Indian mustard, 2016, Taylor and Francis, ISSN (Print/Online) 0365-0340, UGC Indexed No. 8326
• K. Bauddh and R.P. Singh, Effects of organic and inorganic amendments on bio-accumulation and partitioning of Cd in Brassica juncea and Ricinus communis, 2015, Elsevier, ISSN (Print/Online) 0925-8574, UGC Indexed No. 12429
• K. Bauddh, Kripal Singh and R.P. Singh, Ricinus communis: A robust plant for bio-energy and phytoremediation of toxic substances from contaminated soil, 2015, Elsevier, ISSN (Print/Online) 1088-9868, UGC Indexed No. 12429
• K. Bauddh and R.P. Singh, Assessment of Metal Uptake Capacity of Castor Bean and Mustard for Phytoremediation of Nickel from Contaminated Soil, 2015, Taylor and Francis, ISSN (Print/Online) 1088-9868, UGC Indexed No. 12429

Publication (Book/Chapters)
• J. Tiwari, Ankit, Sweta, S. Kumar, J. Korstad and K. Bauddh, Book chapter : Ecorestoration of


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Dr. Purabi Saikia
Assistant Professor

Qualification
Ph.D. in Forestry/ North Eastern Regional Institute of Science and Technology (Deemed University)
Title - Population structure and conservation practices of Aquilaria malaccensis Lam. in homegardens of upper Assam and its prospects in socio-economic development
M.Sc. in Botany
Post Doc in Environmental Sciences from Tezpur University, Assam
Title - Comparative study on regeneration pattern and population status of cultivated variants of Aquilaria malaccensis: a critically endangered tree species of India

Experience - 8 Years

Specialization
Plant Ecology, Conservation of rare endangered plant species, Plant Systematics

Research Areas
Plant Ecology, Conservation of rare endangered plant species, Plant-Soil Interactions

Research Guidance
- Rahul Kumar, Floristic Analysis of Sal Forests within Different Watershed of Ranchi, Jharkhand, Eastern India, 2015
- Rima Kumari, Biomass estimation, carbon sequestration potential and tree diversity of urban and peri-urban vegetation of Ranchi, Jharkhand, 2018

Research Projects
- Monitoring and Mapping of Forest Communities with special reference to Invasive Plant Species using Airborne Visible/Infrared Imaging Spectrometer–Next Generation (AVIRIS–NG) and Sentinel-1 SAR images, Funding Agency - SAC, Ahmedabd, Govt. of India, Amount - 20.5 lakh, Duration - 2018 - 2021
- Monitoring spatio-temporal dynamics of above ground biomass of forests ecosystems using airborne L & S band SAR images, Funding Agency - SAC, Ahmedabd, Govt. of India, Amount - 24.3 lakh, Duration - 2018 - 2021
- Mapping and Quantitative Assessment of Plant Resources and its Distribution in Madhya Pradesh, Central India, Funding Agency - DBT, New Delhi, Amount - 212.2644 lakh, Duration - 2017 - 2021
- Status, Distribution and Composition of Sal Forests of Ranchi, Jharkhand, East India in relation to Microclimatic and Edaphic Conditions, Funding Agency - SERB, New Delhi, Govt. of India, Amount - 29.36 lakh, Duration - 2016 - 2019
- Phytosociological analysis of forests of Ranchi, Jharkhand, Funding Agency - UGC, New Delhi, Amount - 6 lakhs, Duration - 2015 - 2017

Publications (Journals)

- B.S. Steidinger, T.W. Crowther, J. Liang, et al., Climatic control of decomposition drive the global biogeography of forest tree symbioses, 2019, Springer Nature, ISSN (Print/Online) 0028-0836 (P); 1476-4687 (E), UGC Indexed No. 37329


- R. Kumar and P. Saikia, Floristic analysis and dominance pattern of a Sal (Shorea robusta C. F. Gaertn.) Forests of Ranchi, Jharkhand, Eastern India, 2019, Springer Nature, ISSN (Print/Online) 1007-662X (P); 1993-0607 (E), UGC Indexed No. 28231

Dr. Nirmali Bordoloi
Assistant Professor

Qualification
Ph.D. in Environmental Science, Tezpur University
Title - Development of strategies for mitigation of greenhouse gas-nitrous oxide (N₂O) emission from field grown rice (Oryza sativa) and wheat (Triticum aestivum) M.Sc. In Environmental Science

Experience - 2 Years

Specialization
Environmental Science, Soil Science, Agricultural greenhouse gas emission and mitigation

Research Areas -
Agricultural greenhouse gas emission and mitigation, Environmental soil science, Carbon sequestration in agriculture and plant physiology.

Research Guidance
• Khushboo Gupta, Soil quality management and carbon sequestration under maize-wheat based cropping system in Eastern India, 2018

Research Project
• Impact of organic amendments on carbon sequestration and soil quality under maize-wheat cropping system, Funding Agency - UGC Amount - 6 Lakhs, Duration - 2018 - 2020

Publications (Journals) Total - 7
• N. Bordoloi, K.K. Baruah P. Bhattacharyya and P. Gupta, Impact of nitrogen fertilization and tillage practices on nitrous oxide emission from a summer rice ecosystem, 2019, Taylor and Francis, ISSN (Print/Online) 0365-0340 (Print) 1476-3567 (Online), UGC Indexed No. 8326
• N. Bordoloi, K.K. Baruah and A.J. Thakur, Effectiveness of plant growth regulators on emission reduction of greenhouse gas (nitrous oxide): An approach for cleaner environment, 2018, Elsevier, ISSN (Print/Online) 0959-6526 1879-1786, UGC Indexed No. 21920

Contact:
E-mail : purabi.saikia@cuj.ac.in
Mobile : 7903564200
• N. Bordoloi and K.K. Baruah, Effect of foliar application of plant growth regulators on nitrous oxide (N₂O) emission and grain yield in wheat, 2017, Springer, ISSN (Print/Online) 9441344 16147499, UGC Indexed No. 19836
• N. Bordoloi and K.K. Baruah, A 2-year field assessment on the effect of slow release of nitrogenous fertilizer on N₂O emission from wheat cropping system, 2016, CSIRO, ISSN (Print/Online) 1838675X 18386768, UGC Indexed No. 33258
• N. Bordoloi, K.K. Baruah and T.K. Maji, Nitrous oxide emission from transplanted rice field in alluvial soil as influenced by management of nitrogen fertilizer. Soil Use and Management, 2016, Wiley-Blackwell, ISSN (Print/Online) 2660032 14752743, UGC Indexed No. 33263

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The Department of Geoinformatics (formerly Centre for Land Resource Management) started functioning in January 2012, under the School of Natural Resource Management. The department offers various courses in Geoinformatics. These courses are designed keeping the advances of Remote Sensing, GIS and GPS technologies and its integration with geosciences, water resources, wildlife habitat, forest and ecology, agriculture and soil, coastal management, urban & regional planning etc. with wide spectrum of research in these field. These courses aim to develop both a solid theoretical understanding and a comprehensive practical introduction to the use of Geoinformatics in the day-to-day life as well as in the sustainable development of the society and the environment. The department is equipped with basic and state of artequipments, which includes Workstations, Server, DGPS, Handheld GPS, DSLR camera, Scanners, plotters as well as various GIS and Image Processing softwares viz., Geomatica, MAPINFO, IGIS, Erdas Imagine, AutoCAD and eCognition. The department is committed to serve the academic community and society as a whole through terrestrial and extra-terrestrial research base in collaboration with Indian Space Research Organization (ISRO), Columbia Water Centre (CWC), Columbia University, New York, Survey of India (SOI), Geological Survey of India (GSI) and various academic/ research institutions of national and international repute.

Dr. A. C. Pandey
Professor

Qualification
Ph.D. in Himalayan Geology
Title -Geology and Morphotectonics studies in parts of Lesser Garhwal Himalaya (Tehri-Uttarkashi districts), Uttranchal,
M.Sc. (Applied) Geology

Experience - 21 Years

Specialization
Water Resources, Disaster Managament, Himalayan Geodynamics

Research Areas
Water Reseources and Glaciology, Forest Health Assesment, Natural Hazard Risk Modeling

Research Guidance (Ongoing)
• Binita Kumari, Spatio temporal forest cover mapping in Palamu tiger reserve forest using earth observing satellite, 2013
• Saurabh Kumar Gupta, Forest change and fragmentation using advance geospatal techniques in Hazaribagh wildlife sanctuary in Jharkhand, 2013
• Tauseef Ahmed, Geoinformatics based flood hazard and risk assessment in Kashmir Valley, 2014
• Satendra Kumar, Spatio temporal evaluation of forest stress through forest fire and forest fragmentation studies focused on elephant corridor and wildlife habitat, 2015
• Stuti, Water resource assessment and drought hazard and risk progresses in a part of Koel basin Jharkhand, India by using geoinformatics technology, 2015
• Basheer Ahammed KK, Analysis of Spatio temporal dynamics of coastlines and socio physical vulnerability under climate variability and extreme events in eastern coast of India, 2015
• Gaurav Tripathi, Flood inundation characterization through remote sensing for flood risk mapping and monitoring in parts of North Bihar state, India, 2016
• Shahbaz Ahmad, Estimating Primary Productivity, Forest health and Above Ground Biomass Using Remote Sensing Techniques over Parambikulam Tiger Reserve, Kerala, 2018

Research Projects (Ongoing)
• Monitoring and Mapping of Forest Communities with special reference to Invasive Plant Species using Airborne Visible/Infrared Imaging Spectrometer–Next Generation (AVIRIS–NG) and Sentinel-1 SAR images, Funding Agency - SAC, Ahmedabd, Govt. of India, Funding Amount - 20.5 lakhs, Duration - 2018-21
• Monitoring spatio-temporal dynamics of above ground biomass of forests ecosystems using airborne L & S band SAR images, Funding Agency - SAC, Ahmedabd, Amount - 22.4 lakhs, Duration - 2018-21
• Retrieval of biophysical parameters and estimation of gross primary productivity in Indian forests using GISAT, Funding Agency - SAC, Ahmedabd, Amount - 22.4 lakhs, Duration - 2017-20
• Detailed lithological, structural and geomorphological mapping and modelling for mineral prognostication in parts of Singhbhum Shear Zone, Jharkhand, India using Airborne L & S bands SAR images, Funding Agency - SAC, Ahmedabd, Amount - 25.24 lakhs, Duration - 2017-20
• Airborne Hyper spectral data forest health and Biomass
Estimation in Sholayar RF Kerala, Funding Agency - SAC, Ahmedabd, Amount - 23 lakhs, Duration - 2017-20

- Flood prognosis and inundation mapping using Airborne SAR (L bands) images, Funding Agency - SAC, Ahmedabd, Amount - 24.03 lakhs, Duration - 2017-20

### Publications (Journals) Total - 56

- T. Ahmad, A. C. Pandey and A. Kumar, Flood hazard vulnerability assessment in Kashmir Valley, India using geospatial approach, 2018, Elsevier, ISSN (Print/Online) 1474-7065 (P); 1873-5193 (E), UGC Indexed No. 30824
- B. Ahammed, K. K., & A. C. Pandey, "Geoinformatics based Assessment of Coastal Multi-Hazard Vulnerability along the East Coast of India” 2019, Springer International Publishing, ISSN (Print/Online) 23663294, UGC Indexed No. 63298
- B. Ahammed, K. K., & A. C. Pandey, Shoreline morphology changes along the Eastern Coast of India, Andhra Pradesh by using geospatial technology, 2019, Springer International Publishing, ISSN (Print/Online) 14000350, UGC Indexed No. 22015
- S. Ahmad, A.C. Pandey, A. Kumar, N. Lele, B. Bhattacharyya, Forest health estimation in Sholayar Reserve Forest, Kerala using AVIRIS-NG hyperspectral data, 2019, Springer International Publishing, ISSN (Print/Online) 23663294, UGC Indexed No. 63298

### Publications (Book/Chapters)

- Diksha, A. Kumar, A. C. Pandey, and M. L. Khan, Urban Risk and Resilience to Climate Change and Natural Hazards: A Perspective from Million-Plus Cities from Indian Subcontinent, 2019, Wiley

### Awards/Fellowship

- NASA Servir Fellowship In 2013

### Contact :

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- Mobile : 9955492100

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**Dr. Amit Kumar**  
**Assistant Professor**

**Qualification**

- Ph.D. in Technology (Remote Sensing), Birla Institute of Technology, Mesra  
- Title - Assessment and Comparative Evaluation of Urban Environment of Ranchi Township  
- M.Sc. in Geoinformatics

**Experience**  
- 10 Years

**Specialization**

- Human settlement and Urban planning, Environmental monitoring and modelling, SAR & Hyperspectral Remote Sensing

**Research Areas**

- Urban hazard-risk and resilience, Vegetation analyses including plant invasion, forest productivity, SAR & Hyperspectral Remote Sensing

**Research Guidance**

- Tauseef Ahmed, "Geoinformatics based Flood Hazard and Risk Assessment in Kashmir Valley, India", 2014
- B.S.P.C. Kishore, Mapping and Assessment of Invasive Plant Species in (Mudumalai Forest Region) Tamilnadu, India, 2018

**Research Projects**

- Monitoring and Mapping of Forest Communities with special reference to Invasive Plant Species using Airborne Visible/Infrared Imaging Spectrometer–Next Generation (AVIRIS–NG) and Sentinel-1 SAR images, Funding Agency - SAC, Ahmedabd, Amount - 20.5 lakh, Duration : 2018-21
- Monitoring spatio-temporal dynamics of above ground biomass of forests ecosystems using airborne L & S band SAR images, Funding Agency - SAC, Ahmedabd, Amount - 22.4 lakh, Duration - 2018-21
- Mapping and Quantitative Assessment of Plant Resources and its Distribution in Madhya Pradesh, Central India, Funding Agency - DBT, New Delhi, Amount - 212.2644
lakhs, Duration - 2017-21,

- Retrieval of biophysical parameters and estimation of gross primary productivity in Indian forests using GISAT, Funding Agency - SAC, Ahmedabd, Govt. of India, Funding Amount - 22.4 lakh, Duration - 2017-20

- Detailed lithological, structural and geomorphological mapping and modelling for mineral prognostication in parts of Singhbhum Shear Zone, Jharkhand, India using Airborne L & S bands SAR images, Funding Agency - SAC, Ahmedabd, Amount - 25.24 lakhs, Duration - 2017-20

- Airborne Hyper spectral data forest health and Biomass Estimation in Sholayar RF Kerala, Funding Agency - SAC, Ahmedabd, Amount - 23 lakhs, Duration - 2017-20

- Flood prognosis and inundation mapping using Airborne SAR (L bands) images, Funding Agency - SAC, Ahmedabd, Amount - 24.03 lakhs, Duration - 2017-20

Publications (Journals) Total - 32

- P. Tripathy and A. Kumar, Monitoring and modelling of spatio-temporal urban growth of Delhi, India using cellular automata and geoinformatics, 2019, Elsevier, ISSN (Print/Online) "0264-2751 (P), 1873-6084(E)", UGC Indexed No. 18676

- A. Kumar, B.S.P.C. Kishore, P. Saikia, J. Deka, S. Bharali, L.B. Singha, O.P. Tripathi, and M.L. Khan, Tree diversity assessment and above ground forests Biomass estimation using SAR Remote Sensing: A case study of Higher Altitude vegetation of North-East Himalaya, India, 2019, Elsevier, ISSN (Print/Online) "1474-7065 (P); 1873-5193 (E)", UGC Indexed No. 30824

- T. Ahmad, A. C. Pandey and A. Kumar, Flood hazard vulnerability assessment in Kashmir Valley, India using geospatial approach, 2018, Elsevier, ISSN (Print/Online) 1474-7065 (P); 1873-5193 (E), UGC Indexed No. 30824

- Diksha and A. Kumar, Analysing urban sprawl and land consumption patterns in major capital cities in the Himalayan region using Geoinformatics, 2017, Elsevier, ISSN (Print/Online) 0143-6228 (P), 1873-7730 €, UGC Indexed No. 15955


Publications (Book/Chapters)

- Diksha, A. Kumar, A. C. Pandey, and M. L. Khan, Urban Risk and Resilience to Climate Change and Natural Hazards: A Perspective from Million-Plus Cities from Indian Subcontinent, 2019, Wiley


Awards/Fellowship

- International Travel Support Scheme from SERB, GoI, New Delhi in September 2017 to participate in GFBI-FECS joint symposium at Beijing Forestry University

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Mobile : 7004773095

Dr. Bikash Ranjan Parida
Assistant Professor

Qualification
Ph.D. in Natural Sciences
Title - The influence of plant nitrogen availability on the global carbon cycle and N2O emission
M.Sc. in Geoinformatics
Post Doc in Climate and Vegetation Interactions from University of California, Los Angeles (UCLA), CA, USA
Title - Climate-Vegetation Interactions

Experience - 9 Years

Specialization
Remote Sensing & GIS, Agriculture, Forestry, Climate change & Modelling

Research Areas
Vegetation Remote Sensing & GIS, Extreme Events in Agriculture & Forestry, Biomass Estimation, Land Carbon and Nutrients Cycling Modelling
Research Guidance

- Gaurav Tripathy, Flood Characterization and Modelling in Kosi River, Basi, Bihar, 2016
- Somnath Bar, Impact of Forest Fire on Regional Atmospheric Pollution and Forest Degradation in Parts of North Western Himalaya, 2018

Research Projects

- Flood prognosis and inundation mapping using airborne SAR (L bands) images, Funding Agency - SAC, Ahmedabad, ISRO, Amount - 24.03 Lakhs, Duration - 2017-20
- Modeling terrestrial carbon dynamics using LUE-based model, Funding Agency - UGC-FRP Strategic Grant, Amount - 6 Lakhs, Duration - 2018-20,
- Quantifying Climatic and Non-climatic Drivers of Large-scale Ecosystem Change during 1982-2015 over India, Funding Agency - SERB, DST, Young Scientist Scheme, Amount - 16.56 Lakhs, Duration - 2016-19

Publications (Journals) Total - 20

- A.K. Ranjan and B.R. Parida, Paddy Acreage Mapping and Yield Prediction Using Sentinel-based Optical and SAR Data in Sahibganj district, Jharkhand (India), 2019, Springer, ISSN (Print/Online) 2366-3294, UGC Indexed No. 63298
- N. Singh and B.R. Parida, Environmental Factors Associated with Seasonal Variations of Night-time Plant Canopy and Soil Respiration Fluxes in Deciduous Conifer Forest, Western Himalaya, India, 2018, Springer, ISSN (Print/Online) 1432-2285, UGC Indexed No. 35040
- B.R. Parida, S.N. Behera, B. Oinam, A.C. Pandey and N. Singh, Evaluation of satellite-derived rainfall estimates for an extreme rainfall event over Uttarakhand, Western Himalayas, 2017, MDPI, ISSN (Print/Online) 2306-5338, UGC Indexed No. SCOPUS
- W. Buermann, C. Beaulieu, B.R. Parida, D. Medvigy, G.J. Collatz, J. Sheffield and J.L. Sarmiento, Climate-driven shifts in continental net primary production implicated as a driver of a recent abrupt increase in the land carbon sink, 2016, Copernicus Gesellschaft Mbh, ISSN (Print/Online) 1726-4170, UGC Indexed No. 14659

Publications (Book/Chapters)


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Dr. Chandrashekhar Dwivedi
Assistant Professor

Qualification
- Ph.D. in Geography
- Title - Transformation of Rural Environment in Mahoba District, UP: A Geographical Appraisal
- M.Sc. in Geography

Experience - 3.6 Years

Specialization
- Land Information System, Satellite Meteorology, Geomorphology

Research Areas
- Rural Transformation, Hydrology, Natural Resource Management

Publications (Journals) Total - 3

- A. Pandey, C.S. Dwivedi, Spatial Variation in Literacy: A Case Study of Sample Village, Ambedkarnagar District, 2016, ISSN (Print/Online) 2347-5153, UGC Indexed No. 47176
- A. Pandey, C.S. Dwivedi, Change in landuse Pattern in Sample Village, Ambedkarnagar District, 2016, ISSN (Print/Online) 0975-6795, UGC Indexed No. 46775

Publications (Book/Chapters)

- C.S. Dwivedi, Transformation of Rural Environment:
Dr. Kanhaiya Lal
Assistant Professor

Qualification
Ph.D. in Geography/ Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi
Master in Geography

Experience - 10 Years

Specialization
Geomorphology, Agriculture, Urbanisation

Research Areas
Land Degradation, Crop Related Issue, Urban Transformation

Publications (Journals)
• K. Lal, D. Kumar and A. Kumar, Spatio-temporal landscape modeling of urban growth patterns in Dhanbad Urban Agglomeration, India using geoinformatics techniques, 2017, Elsevier, ISSN (Print/Online) 11109823, UGC Indexed No. 13421

Publications (Book/Chapters)
• K. Lal, Classification of World Climate, Part-II, 2012, Kurukshetra University Press, Kurukshetra
• K. Lal, Green Revolution, Its Impacts and Consequences, White Revolution in India, 2012, Kurukshetra University Press, Kurukshetra
• K. Lal, Race and Religion, 2012, Kurukshetra University Press, Kurukshetra
• K. Lal, Migration including Laws of Migration and Growth, 2012, Kurukshetra University Press, Kurukshetra

Awards/Fellowship
• Senior Research Fellowship (UGC), New Delhi
• Junior Research Fellowship (UGC), New Delhi
• Best Paper award by Researcher Association of South Korea (RASK), 2015-16

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Dr. Kanhaiya Lal
Assistant Professor

Qualification
Ph.D. in Geography/ Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi

Experience - 10 Years

Specialization
Geomorphology, Agriculture, Urbanisation

Research Areas
Land Degradation, Crop Related Issue, Urban Transformation

Publications (Journals)
• K. Lal, D. Kumar and A. Kumar, Spatio-temporal landscape modeling of urban growth patterns in Dhanbad Urban Agglomeration, India using geoinformatics techniques, 2017, Elsevier, ISSN (Print/Online) 11109823, UGC Indexed No. 13421

Publications (Book/Chapters)
• K. Lal, Classification of World Climate, Part-II, 2012, Kurukshetra University Press, Kurukshetra
• K. Lal, Green Revolution, Its Impacts and Consequences, White Revolution in India, 2012, Kurukshetra University Press, Kurukshetra
• K. Lal, Race and Religion, 2012, Kurukshetra University Press, Kurukshetra
• K. Lal, Migration including Laws of Migration and Growth, 2012, Kurukshetra University Press, Kurukshetra

Awards/Fellowship
• Senior Research Fellowship (UGC), New Delhi
• Junior Research Fellowship (UGC), New Delhi
• Best Paper award by Researcher Association of South Korea (RASK), 2015-16

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Dr. Kiran Jalem
Assistant Professor

Qualification
Ph.D. in Geo-Engineering
Title - Study on protection of surface water bodies and development of groundwater source in Visakhapatnam urban environment
M.Tech. In Remote Sensing

Experience - 19 Years

Specialization
Disaster Management, Geoinformatics, Civil Engineering

Research Areas
Geoinformatics Applications for Disaster Management, Geo-Engineering, Community Based Disaster Management

Publication (Journal)
• K. Jalem, S. K. Singh, Water Harvesting through Inter-basin Transfer Technique for part of Visakhapatnam Urban Area using Geo-Spatial Technology, 2018, Society for Environment & Development, ISSN (Print/Online) "ISSN: 0975-7112 (Print) ISSN: 0975-7120 (Online)", UGC Indexed No. 62805

• K. Jalem, V. Rao V, K. Rambabu, Vertical Electrical Sounding for Groundwater Exploration for Part of Visakhapatnam Urban Area, Andhra Pradesh, India, 2017, ISSN: 9763031, UGC Indexed No. 46629

• D. Kumari, K. Jalem, Coal Mining Dynamics at Kuju, Bhurkunda and Khali Coal field areas over Temporal years 1991 to 2016 using Geospatial Technology, 2018, ISSN: 23202882, UGC Indexed No. 49023


• K. Jalem, Development of Water Resources for Micro Watershed at Chinamushidiwada Village in
Visakhapatnam, Andhra Pradesh, India, 2016, ISSN: 2165-784X

• **K. Jalem**, Opinion on a Case Report of Bero Block, Ranchi, Jharkhand, India, 2018, ISSN: 2575-8950

Publications (Book/Chapters)

• K. Bera, **K. Jalem**, "Internal Changes in South Asia: Challenges and Opportunities", 2017, "Indu Book Services, New Delhi", ISBN No. 978 93 85754 17 2


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The Department of Business Administration (formerly Centre for Business Administration) combines the intellectual rigor and practical experience in carrying out innovative teaching and path breaking research. The MBA Program of the department has various functional specializations with advanced courses. The research of the department is divided into two verticals – Ph D and funded research. The research focus of the department extended to various business functions such as marketing, finance, Human Resources, Operations and Supply Chain Management in addition to study on Indian economy, fundamentals of various business and non business organizations, public policies and socio-economic challenges. The department carries out innovative path breaking research in the area of Social Media, Stock Market, commodity Market Business Analytics, Artificial Intelligence, and Entrepreneurship. The scope of the research includes organizations belonging to Higher Education, Financial Services, Healthcare, Manufacturing, Hospitality and Tourism and other service industries. The department thrust additionally is towards consultancy and industry institutional interface and entrepreneurial startup. Efforts are in progress in establishing business incubator under the aegis of the department. Consultancy and Industry MOUs are planned for the future.

Dr. Ashoke Kumar Sarkar  
Associate Professor

Qualification  
Ph.D. in Finance  
Title - Profitability And Defaults of State Financial Corporation In The Globalised Era: A Case Study of Bihar State Financial Corporation From 1986-87 To 2002-2003  
Master In MBM (Master Of Business Management)  

Experience - 37 Years  

Specialization  
Finance, Operations Research, Derivates and Risk Management  

Research Areas  
Health Care Industries, Entrepreneurship, Financial Inclusion, Derivatives and Risk Management  

Research Guidance  
- Sadhvi Singh, 2018, Role of financial inclusion for the development of rural area of Jharkhand with special reference to tribal societies.  
- Saurabh Sonkar, 2018, Entrepreneurial Challenges for SC/ST in India Vis-à-vis Financial Structure  
- Ms Debasmita Dutta, 2015, Influence of Nonmedical and Financial Factors on Customer’s Choice of Hospital  

Publications (Journals)  


Publications (Book/Chapters)  

A. K. Sarkar (First Author and Corresponding Author) and P. Pushpanjali, Human Resources Accounting Concepts and their Applicability and Implications for Employees, Organisations, Donors and Society: A Critical Analysis (page 52 to 75), 2015, Sustainable Development: South Asian Conundrum Published by IIDS Australia-IIMS India-BEN Germany, Editor - Prof. Moazem, Grafiti University,
Australia, Published by IIDS Australia-IIIMS India-BEN Germany, ISBN 978 984 33 8819 3

• A. K. Sarkar, Solving of Two Person Zero Sum Game By Using LPP Phttps://www.youtube.com/watch?v=WG3gdSFp-6s, 2018, Solving of Two Person Zero Sum Game By Using LPP, Publisher - Youtube

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Dr. Mahendra Singh
Assistant Professor

Qualification
Ph.D. in Management
Title - Business Analytics and Information Technology in Supply Chain Operational Performances: A Study of Indian Plastics Industry
Master of Business Administration

Experience - 8 Years
Specialization
Marketing Management, Operations Management, Supply Chain Management

Research Areas
Supply Chain Management, Production and Operations Management, Marketing Management

Publications (Journals) Total - 10
• M. Singh, BPR Project for Dramatic Improvements in Direct Tax Collection in India: A Case Study, 2015, ANVESHA - The Journal of Management, Volume 0 8, Issue - 3, Publisher - IES Management College and Research Centre, ISSN - 9745467, UGC Indexed No. 62588*


• R. K. Prabhapar, M. Singh, C. Nagapavan, Ensuring energy security in rural India-a case study on Rajiv Gandhi Gramin LPG Vitrak (RGGLV) Yojana, 2015, SONA Global Management review, Volume - 9, Issue - 3, Publisher - Sona School of Management, ISSN - 0973-9947, UGC Indexed No. 42956*

Publications (Book/Chapters)
• C. Nagapavan, M. Singh, Faculty Development as a source of Competitive Advantage for the Management Institution, 2013, Faculty Development in Management Education: Issues, Perspectives, Components and Challenges, Editor - C. Nagapavan, Publisher - MTC Global, ISBN - 978-81-922178

Contact :
Email : mahendra.singh@cuj.ac.in
Mobile : 8797914098

Dr. Nitesh Bhatia
Assistant Professor

Qualification
Ph.D. in Management
Title - Human Resource Audit: A tool for Organizational Effectiveness
MBA (Human Resource Management and Marketing-Dual Specialization)

Experience - 12 years
Specialization
Human Resource Management, Organizational Behaviour, Organizational Development and Change

Research Areas
Human Resource Audit, Entrepreneurship and Family Business, Organizational Behaviour

Research Guidance
- Tanvi Dogra, 2018, Use of AI Technology in Universities for on-boarding of students and their path forward: Bridging academics and Industry (Tentative title)
- Santosh Kashyap, 2018, Integrating Unfolding and Job Embeddedness Model of Voluntary Turnover: A Study in Indian Service Sector” (Tentative Title)

Publications (Journals)

Publications (Book/Chapters)
- T. Dutta, N. Bhatia, U. Srivastava, S. Kumar, High - Tech People, high - Touch HR, Are We Missing the Humane Touch?, 2013, Editors - Debashis Chatterjee, Manoranjan Dhal, Surya Prakash Pati, Publisher - Bloomsbury Publishing India Pvt. Ltd., ISBN - 9789382951209

Publications (Book/Chapters)

Publications (Book/Chapters)

Awards/Fellowship
- Best Paper Presented at at National Seminar on Cyber Security: emerging Trends, organized by ICFAI University Jharkhand held at IUJ Campus, Ranchi on 29 November 2017.

Contact:
E-mail : nitesh.bhatia@cuje.ac.in
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Dr. Pragyan Pushpanjali
Assistant Professor

Qualification
Ph.D. in Management , PG Department of Commerce and Business Management, Ranchi University, Ranchi
Title - A Study of Human Resource Accounting and Its Socio-Economic Impact on Selected Charitable (Health) Organizations Working in Jharkhand
Post Graduate Diploma in Personnel Management

Experience - 12 years

Specialization
Human Resource Management

Research Areas
their Applicability and Implications for Employees, Organizations, Donors and Society: A Critical Analysis", 2015, was published in an Edited book “Sustainable Development South Asian Conundrum” Editors - Mazharul M. Islam and Moazzem Hossain, Publisher - IIDS Australia-IIMS India- BEN Germany,


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Dr. Nagapavan Chintalapati
Assistant Professor

Qualification
Ph D in Management Studies / University of Hyderabad
Title - Social Media and Management Education: A Study of Business School Choice, Learning and Social Capital
Master of Business Administration

Experience - 15 years

Specialization
Marketing Management, Social Media, Strategic Management

Research Areas
Marketing Management, Social Media, Management Education

Research Guidance
- Mr. Gouri Shankhar Sharma, 2018, Not Finalized

Publications (Journals)
- N. Chintalapati, V. Srinivas, K. Daruri, Examining the use of YouTube as a learning resource in higher education: scale development and validation of TAM model Telematics and Informatics, 2017, Volume - 34, Issue - 6, Publisher - Elsevier, ISSN - 0736-5853, 24149
- N. Chintalapati, Re-engineering the Transport of Motorcycle through Indian Railways to address Service Quality Challenges, 2013, UDAAN: The International Journal of Management Research, Publisher - ICBM - School of Business Excellence, ISSN - 23479256, UGC Indexed No. 45216
- N. Chintalapati and V. S. K. Daruri, Use of Social Media for Communication by Top Business Schools in India, 2017, IUJ Journal of Management, Publisher - ICFAI University, Jharkhand, ISSN - 2347-5080, UGC Indexed No. 41246

Publications (Book/Chapters)
- Editors: N. Chintalapati, Faculty Development in Management Education: Issues, Perspectives, Components and Challenges, 2013, Publisher - MTC Global, ISBN No. - 978-81-922178-2-6

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Mobile : 8235812204

Dr. Sanhita Sucharita
Assistant Professor

Qualification
Ph.D. in Economics
Title - Role of Fiscal Responsibility and Budget Management in Restoring Fiscal Balance in India
M.A Economics
Post Doc in Economics , Sir Ratan Tata Trust (SRTT)
Post Doctoral Fellow, at Assistant Professor level IEG New Delhi
Experience - 10 Years

Specialization
- Public Finance, Development Economics, Environmental Economics

Research Areas
- Fiscal policy Rule, Labour Migration, Sustainable Development of Agriculture

Research Guidance
- Lisma Rout, Role of Seasonal Migration for Economic Upliftment: A Study of Koraput District of Odisha, 2014

Research Project
- Causes and Impact of Labour Migration: A Study of Jharkhand

Publications (Journals) Total - 10
- N. Sethi, P. Bhujabal, D. P. Dash, S. Sucharita, An Empirical Insight of Examining Impact of Recent Demonetization on Monetary System: Evidence from India, Iranian Economic Review, (Scopus Indexed), 22 (4), 2018, Faculty of Economics University of Tehran, ISSN (Print/Online) 2588-6096
- S. Sucharita, Revenue Expenditure Nexus in India, Journal Indian Taxations, 3 (1), 2016, Journal Press India, New Delhi, ISSN-2347-4475
- S. Sucharita, Factors Affecting Female Labor Force participation in India, Romanian Economics Journal Vol. 16m 2013, The institute of National Economy, Romanian Academy, ISSN 2344-4657

Publications (Book-5, Chapters-6)

Contact:
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The Department of Mass Communication is one among the four departments established during inception of the university in 2009. It comes under the School of Mass Communication and Media Technologies. At present, it offers two year Master Degree Program in Mass Communication and Ph.D. in Mass Communication. The department is equipped with basic facilities of media training, i.e. media labs, video camera and digital still cameras etc. The department is in the process of establishing state-of-the-art infrastructure radio-television studio and community radio station. The university has fully Wi-Fi enabled campus with access to the best online journals. Department has a separate dedicated computer laboratory for 30 students with all the necessary software for print and electronic production. The Department is committed to deliver excellence in media education, research and training with special focus on indigenous and regional needs. Department aims at producing media professional with social commitment.

Dr. Dev Vrat Singh
Associate Professor

Qualification
Ph.D. in Mass Communication, Makhanlal Chaturvedi National University of Journalism and Communication, Bhopal
Title - Comparative Study of Indian News Channels (With special reference to Star News, Zee News and Aaj Tak)
Master in Mass Communication, PG Diploma Radio & TV Journalism (IIMC)

Experience - 20 Years

Specialization
New Media, Electronic Media, Broadcast News

Research Areas
New Media, Visual Media, Mobile Communication

Research Guidance
• Nazish Hena Khan, 2013, A Study of Comparative Advertising in Print Magazines: A Cross-Cultural Analysis of India and the United States
• Rupa Kumari, 2013, Empowerment through Social Media Engagement – A Study of Women’s Perspective
• Neha Pandey, 2014, Use of New Media for Communicating Political Messages by Two Indian National Parties
• Rajesh Kumar, 2016, Mapping Media Education in Universities of Eastern India
• Vishakha Rajurkar Raj, 2017, Communication Perspectives in Contemporary Indian Theatre: A Study with special reference to the Conceptual Framework of Bharatmuni’s Nāṭiyaśāstra
• Kunal Anand, 2017, Course Work Ongoing

• Rashmi Verma, 2018, Course Work Ongoing

Research Project
• Major Research Project (MRP) Title - A Study about the Empowerment through Mobile Phones among Oraons of Jharkhand, Funding Agency - Indian Council for Social Science Research (ICSSR), Funding Amount - 6.5 Lakhs, Duration - 2018-19

Publications (Journals)
Total-15
• N. Pandey and D. Singh, Functionality and Effectiveness Analysis of BJP and INC Websites, Journal of Advanced Research in Journalism and Mass Communication, Volume 6, Issue 1, 2019, Publisher - ADR Publications, Delhi, ISSN - 2395-3810, UGC Indexed No. 62888*
• D. Singh, R. Kumari, Using YouTube for Political Communication in India, Journal of Advanced Research in Journalism and Mass Communication, Volume - 3, Issue - 3, 2016, Publisher - ADR Publications, Delhi, ISSN - 2395-3810, UGC Indexed No. 62888*
• D. Singh, Socializing Online: Case Study of ‘Media Educators’ a Facebook group of media professors in India, Journal of Advanced Research in Journalism and Mass Communication, Volume - 2, Issue - 2015, Publisher - ADR Publications, Delhi, ISSN - 2395-3810, UGC Indexed No. 62888*
• D. Singh, Colour Bias in Visual Media – An Unfair Obsession for Lighter Skin in India, Mass Media, Volume - 4, Issue - No. 39, 2015, Publisher - Media Studies Group, Delhi, ISSN - 2277-7369, UGC Indexed No. 45130*

Publications (Books-5/Chapters-10)
Dr. Sudarshan Yadav
Assistant Professor

Qualification
Ph.D. in Journalism and Mass Communication, Banaras Hindu University (BHU)
Title - Creation and Management of Traditional Kunds as Community Water Sources: Present Status, Revival Strategy and Role of Communication
M.A. in Mass Communication, (BHU)

Experience - 09 Years

Specialization
Science Communication / Risk Communication / Development Communication, Film Studies, Media Management

Research Areas -
Science Communication / Risk Communication / Development Communication, Film Studies, New Media

Research Guidance
• Poonam, 2016, Study on the status of science education and communication-teaching-learning practices adopted in the higher secondary schools of Jharkhand
• Nity, 2018, Course Work going on. Broader area: Health Communication

Publications (Journals)
• S. Yadav, Reality Versus Virtuality: Internet, A space beyond Reality yet Real - An Insight to Facebook, 2012, The BHU Journal of Communication Studies, Volume - 1, Issue - 2, Publisher - Department of Mass Communication, Banaras Hindu University, ISSN - 2231-5578
• S. Yadav, Perspectives on Water Conservation, Community Participation and Role of Communication, IJCR-Interdisciplinary Journal of Contemporary Research, Volume - 3, Issue - 2, 2016, Department of French, S.K.C. School of English and Foreign Languages, Publisher - Assam University, Silchar, ISSN - 2393-8358

Publications (Book Chapters/e-Content)
• S. Yadav, Pro-Women Media Activism, Women, Media and Films, 2016, Sisir Basu (Content Reviewer/ Paper Coordinator)/ Sumita Parmar (Principal Investigator), MHRD, also available as e-content on - ePG Pathshala https://epgp.inflibnet.ac.in/view.php?category=860
• S. Yadav, Actresses and Stardom, Women, Media and Films, 2016, Sisir Basu (Content Reviewer/ Paper Coordinator)/ Sumita Parmar (Principal Investigator), MHRD, also available as e content on - ePG Pathshala https://epgp.inflibnet.ac.in/view.php?category=860
• S. Yadav, History of Media Education and Training Centres, History of Mass Communication, 2017, Sisir Basu (Content Reviewer/ Paper Coordinator) / Dr. G. Ravindran (Principal Investigator), MHRD, also available as e content on - ePG Pathshala https://epgp.inflibnet.ac.in/view.php?category=995

Awards/Fellowship
• Library Fellowship, Centre for Contemporary Studies, Indian Institute of Sciences, Bengaluru, 2013
• Junior Research Fellowship, UGC, 2010

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Mobile : 7739787847
Rajesh Kumar  
Assistant Professor

Qualification
Ph.D. (Pursuing), Central University of Jharkhand  
Title - Mapping Media Education in Universities of Eastern India  
M.Phil., Master in Mass Communication (GJUS&T, Hisar), PGDJ (IIMC)

Experience - 11 Years

Specialization
Communication Theories & Models, Print Media Communication: Reporting, Editing and Designing, International Communication

Research Areas
Media Education, Print Media Communication, Communication Theories

Publications (Journals)  
• R. Kumar, Mapping The Landscape of Journalism Education in Indian Languages, Communicator-The Journal of Indian Institute of Mass Communication, Vol. 53, Issue-4, 2018, Publisher: Indian Institute of Mass Communication, New Delhi, ISSN: 0588-8093, UGC Indexed No. 41937
• R. Kumar, Media Education in North East Indian Central Universities: A Study of Media Programs and its Nomenclature, Journal of Content, Community and Communication, Amity School of Communication, Amity University, Gwalior, Vol. 06, Issue-03, 2018, Scopus Indexed, Publisher: Amity School of Communication, Gwalior, ISSN: 2395-7514, UGC Indexed No. 48485
• R. Kumar, Media Education Policy in India: A Historical Perspective, Mass Media: Journal of Media Studies Group, New Delhi, Vol. 4, Issue-38, Publisher: Media Studies Group, ISSN: 2277-7369, UGC Indexed No. 45130

Publications (Book Chapters)

Course Content
• R. Kumar, Course Content: Newsroom Setup and Functions: Print & Online Media, 2014, Master, Indira Gandhi National Open University (IGNOU), New Delhi, ISBN - In-Press

Newspaper Publication & Production
• Articles/Features: More than 25  
• Newspaper Page Make Up: More than 100

Awards/Fellowship
• Best Research Paper Presentation Award 2016: Research paper titled ‘Media Education in North India: A Study of Central Universities in All Media Educators Conference 2016 (AIMEC 2016), organized by University of Rajasthan & Amity University, Jaipur.

Contact:
E-mail : rajesh.iimc@gmail.com, rajesh.iimc2005@gmail.com  
Mobile : 7004911826, 9631488108

Rashmi Verma  
Assistant Professor

Qualification
Ph.D. (Pursuing), Central University of Jharkhand  
M. Phil., Master in Journalism, Makhanlal Chaturvedi National University of Journalism and Communication

Experience - 09 Years

Specialization
Print Journalism, Corporate Communication, Development Communication
Research Areas
Corporate Communication
Development Communication

Publications (Journals)
- **R. Verma & N. Pandey Oraon of Ranchi city under the era of globalization- a socio-cultural perspective, 2012, Ratna-Garbha, Volume - VIII, Publisher - Social Sciences & Humanities Development Association, ISSN - 0996-231X

Publications (Book Chapters)

Newspaper Publications
- Articles/Features: More than 100

Contact:
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Mobile : 9955040296
SCHOOL OF LANGUAGES

Department of English Studies

Department of Far East Languages:
Chinese, Korean, Tibetan

Department of Hindi
The Department of English Studies (formerly Centre for English Languages) came into being with the inception of Central University of Jharkhand in 2009 and its first academic program was launched in 2009/2010. The department has emerged as a major Centre for teaching and learning English literature and Language since beginning. It offers M. A., Five-Year Integrated M. A. and Ph.D. programs in English studies. Moreover, the department offers courses in Communicative English to the students of various departments of the University. The Department of English Studies envisions creating a world class teaching & learning environment that may help students to expand their knowledge horizons in various aspects of English studies and deepen their understanding of the ways literature shapes people’s perception of life and crystalizes different world views. It is also committed to excellence in imparting quality research skills and capabilities, deeper analytical sensibilities to both post-graduate students & PhD research scholars such that they can duly conduct unique and effective research in diverse areas of literature and other related fields. The department strongly believes that uniqueness of research lies in providing an appropriate academic environment. Therefore, it aspires to immerse its under graduate students, post graduate students and research scholars in various academic activities held in the department or beyond from time to time.

Dr. Shreya Bhattacharji

**Associate Professor**

**Qualification**
- Ph.D. in English
- M.A. in English

**Experience** - 17 Years

**Specialization**
- African literature, Postcolonial theory, Gender studies

**Research Areas**
- Partition literature, Queer and Gender studies, African and Afro-American literature

**Research Guidance**
- Neha Kumari, Awarded, 7 September 2018, Bed for a Hundred Flowers: Interrogating the Norms of Sexual and Gender Identities, 2014
- Gargy Ganguly, Submitted, Critiquing Enslavement: Race, Gender and Resistance in Select Women’s Slave Autobiography and Fiction, 2014
- Ajit Kumar Jha, Ongoing, Relocating Women in the Cultural Matrices of Mithila, 2015

**Publications (Journals)**
- **Total - 14**
  - S. Bhattacharji and G. Ganguly, Locating Gaps in Women Slave Narratives: Memoir of Mrs. Chloe Spear and Memoir of Old Elizabeth, 2018, Middle Flight, ISSN 2319 7684, UGC Indexed No. 64741
  - S. Bhattacharji, We can be, and frequently are, our own enemies”: Relocating Biafra in Chimamanda Ngozi Adichie’s Half of a Yellow Sun, 2018, Vidyasagar University English Teachers’ Consortium, ISSN 0976-9064

**Publications (Book/Chapters)**
- **Total - 13**

**Contact:**
- E-mail : bhattacharjishreya@gmail.com
- Mobile : 8292694422
**Dr. Mayank Ranjan**  
Assistant Professor

**Qualification**
- Ph.D. in English  
  Title: Jim Corbett: A Critical Study of His Hunt Stories in India  
- M.A. in English

**Experience** - 9 Years

**Specialization**
- American Literature, Linguistics, Hunt Literature

**Research Areas**
- Eco-Criticism, Translation Studies, Media Language

**Research Guidance**
- Devina Kumari, *From Canon to Peripheral: Analysing Multiple Representation of History in Select Indian English Writers*, 2016

**Publications (Books/Chapters)**

**Publications (Journals)**
- M. Ranjan, *In Search of Gender Discrimination in Dattani’s Tara*, Pub. in , ISSSN No., UGC Serial No. 480, 2017, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 22311483, UGC Indexed No. 40878
- M. Ranjan, *Gender Issues in Viay Tendulkar’s Select Plays*, 2017, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 2277-2723, UGC Indexed No. 40878
- R. Kumar, *Rewriting History in Amitav Ghosh’s The Shadow Lines*, 2018, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 2273-2723, UGC Indexed No. 40792
- R. Kumar, *Study of Subalternity n Amitav Ghosh’s The Circle of Reason*, 2018, Suruchi Kala Samiti, Varanasi, ISSN (Print/Online) 0974 7222, UGC Indexed No. 40790
- R. Kumar, *Interrogating History in Amitav Ghosh’s The Glass Palace*, 2018, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 2231 1483, UGC Indexed No. 40878

**Contact:**
- E-mail: dr.mayankranjan@gmail.com
- Mobile: 8002008284

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**Dr. Ranjit Kumar**  
Assistant Professor

**Qualification**
- Ph.D. in English Literature  
  Title: Significance of History, Culture and Migrancy in Amitav Ghosh’s Fiction  
- Master in English Literature

**Experience** - 10 Years

**Specialization**
- Indian Writing in English, Literary Theory, American Literature

**Research Areas**
- Indian Writing in English, Post Modern Indian Fiction, Post Colonial Writing in English

**Research Guidance**
- Annu Priya, *ongoing*, 2017

**Publications (Journals)**
- R. Kumar, *Study of Gender Discrimination in Dattani’s Tara*, Pub. in , ISSSN No., UGC Serial No. 480, 2017, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 22311483, UGC Indexed No. 40878
- R. Kumar, *Gender Issues in Viay Tendulkar’s Select Plays*, 2017, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 2277-2723, UGC Indexed No. 40878
- R. Kumar, *Rewriting History in Amitav Ghosh’s The Shadow Lines*, 2018, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 2273-2723, UGC Indexed No. 40792
- R. Kumar, *Study of Subalternity n Amitav Ghosh’s The Circle of Reason*, 2018, Suruchi Kala Samiti, Varanasi, ISSN (Print/Online) 0974 7222, UGC Indexed No. 40790
- R. Kumar, *Interrogating History in Amitav Ghosh’s The Glass Palace*, 2018, Society for Indo-Tibetan Budhist Studies, New Delhi, ISSN (Print/Online) 2231 1483, UGC Indexed No. 40878

**Publications (Books-2, Chapters-2)**

**Contact:**
- E-mail: reach_ranjii@yahoo.co.in
- Mobile: 7654227570
The Department of Far East Languages (formerly Centre for Far East Languages): Chinese, Korean and Tibetan was established in 2012 with a vision to disseminate the knowledge about China, Korea and Tibetan to the Indian students. In a very short span of time, the Department of Far East Languages: Chinese has introduced Five Year Integrated (Bachelors + Masters). In coming years the department is going to offer three months Short-Term Course for the ITBP officials and Jawans. Department of Far East languages is the second department in India and whole South Asia region to offer Five Year Integrated M.A. program in Korean language and Culture. Six Month Certificate and One year Diploma in Korean language and culture was started in 2012-2013 and 2013-2014 respectively.

Dr. Konchok Tashi  
Assistant Professor

Qualification
- Ph.D. in Linguistics  
  (Topic: Polysemy in Ladakhi)  
- M.A. in Linguistics  
- M.A. in English Language & Literature

Experience - 9 Years

Specialization
- Tibetan Language, Literature & Culture, Tibetan/Ladakhi  
  Linguistics, Tibetan Studies

Research Areas
- Tibetan Semantics, Tibetan Language, Tibetan/Ladakhi  
  Linguistics

Research Guidance
- Mr. Ugen Lopsang Sherpa, 2016 batch, topic: The Language and Culture of Sherpa: An Ethnic Group of people in the State of Sikkim

Publications (Journals) Total - 10

Publication (Books/Chapters)
Dr. Kalsang Wangmo
Assistant Professor

Qualification
Ph.D. in Buddhist Studies
Title - Critical Study of the biographies of the Tsangkhapa Masters in Buddhist Studies: Specialization in Tibetan Language, Literature & Buddhism

Experience - 6 years

Specialization
Tibetan language, Literature & Buddhism) & other compulsory papers include Pali, Sanskrit, Buddhist Philosophy & History

Research Areas -
(Tibetan language, Literature & Buddhism) including related research area such as; Pali, Sanskrit, Buddhist Philosophy & History)

Research Guidance
- Babuli Chandra Nayak, 2015, Topic: Odisha Buddhist Heritage in Tourism Development: A Case Study of Padmasambhava Mahavihara Tibetan Monastery at Jirang, Gajpati District

Publications (Journals) Total - 03

Contact:
E-mail : kalsang.wangmo@cuj.ac.in
Mobile : 7762924746
Sandeep Biswas
Assistant Professor

Qualification
Ph.D. (pursuing) in Chinese, M.A in Chinese

Experience - 6 Years

Specialization
Chinese Language, Chinese Culture, Chinese Literature

Research Areas
Gender in Chinese, Chinese Pedagogy, Chinese Script & Gender

Publications (Journals)
• S. Biswas, in International Students at ECNU (East China Normal University, Shanghai; 2011). P.39.
• S. Biswas, (Building the Friendship Bridge between India and China) published in China Through the Eye of Indian Youths, 2017.

Awards/Fellowship
• Selected for the ‘Visiting Program for Young Sinologist 2015’ to Beijing, which was jointly hosted by Ministry of Culture of the People’s Republic of China (MOC) and the Chinese Academy of Social Sciences (CASS) from July 5th to 24th, 2015.
• Delivered a speech in the opening ceremony of ‘Shanghai Summer School 2016- A Shanghai Municipal Government Scholarship Program’ organized by Shanghai International Studies University, Shanghai, China (SISU) from 11th July to 08thAugust, 2016]

Contact :
E-mail : sandeep.biswas@cuj.ac.in
Mobile : 7766907852

Sushant Kumar
Assistant Professor

Qualification
Master of Philosophy (M. Phil) in CHINESE STUDIES (Topic: State Policies on promotion of domestic tourism in China, 1992-2014)
Master of Arts (M.A.) in CHINESE LANGUAGE
Certified Regional Level (Northern Region) Chinese Guide, Indian Institute of Tourism and Travel Management, Ministry of Tourism, Govt. of India

Experience - 1.2 Years (Worked in Cabinet Secretariat as Interpreter, Govt. of India)

Specialization

Research Areas
State Policies on Promotion of Domestic Tourism in China
Chinese language and linguistics
Teaching Chinese as a foreign language
China Foreign Policy.
Chinese Political thought

Contact :
E-mail : sushant.kumar@cuj.ac.in
Mobile : 9968061116
Arpana Raj  
Assistant Professor

Qualification  
Ph.D. (Pursuing), Central University of Jharkhand  
M. Phil. In Chinese, JNU, New Delhi  
M.A. in Chinese Language, Lit. & Culture

Experience - 6 Years 7 months

Specialization  
Chinese Language, Chinese culture and comparative study, China in International Relations

Research Areas  
Chinese Language, Chinese Culture, China and International Relations

Research Project  
"China-India Translation Project"

Publications (Journals)  
A. Raj, A study on Chinese and Hindi Idiomatic Translation, 2017, GJMS Publications, ISSN (Print/Online) 2348-0459, UGC Indexed No. 48846

Publications (Book/Chapters)  


Contact:  
E-mail: arpana.raj@cuj.ac.in  
Mobile: 8102235449

Shashi Kumar Mishra  
Assistant Professor

Qualification  
Ph. D. (Pursuing) in Korean Language Education  
Title- "An Analysis of Korean Tense Education for Korean Language Learners in India."  
M.A. in Linguistics

Experience - 7.6 Years

Specialization  

Research Areas  

Publications (Journals)  


Publications (Book/Chapters)  

S. K. Mishra, Korea’s educational system during the Era of Economic Transition 1966 1996. In: Sushila Narshimhan,
Mukesh Kumar Jaiswal  
*Assistant Professor*

Qualification  
Masters in Korean Language Education, Seoul National University, Korea

Experience - 7 Years

Specialization  
Korean Language Education : Grammar Teaching, Teaching Composition, Curriculum Development, Korean Linguistic, Translation

Research Areas  
Teaching Korean as a foreign language : Grammar Teaching, Teaching Composition, Curriculum Development, Korean Linguistics, Korean Studies

Publications (Book/Chapters)

Awards / Fellowships  
- Participated in Invitation Training for Foreign Specialist of Korean Language, 2016 (Korean Language Faculty Workshop, 2016)

Contact  
E-mail : mukesh.jaiswal@cu.ac.in  
Mobile: 8797811727
The Department of Hindi was established in the year 2018 with a vision to integrate, develop and inculcate the rich ethos and culture of Indian Language and Literature. Hindi is the most widely spoken language in the Indian Sub-continent and across the globe its speakers are increasing at an alarming rate. The popularity and fame of Hindi in the Indian diaspora undoubtedly presents a beautiful picturesque of India. The department aims to develop and grow its students and scholars with great humanitarian value of literature and society. Besides scholarly knowledge the department mission is to link up the course with day-to-day employment perspective. Literary research, language pedagogy, translation, foreign Hindi teaching, script writing, proof reading, theatre and media studies are few noted areas of our departmental domain.

Dr. Ratnesh Vishvakksen  
Associate Professor

Qualification
Ph.D. in Hindi
Title - Vidyanivash Mishra ke Nibandhonka Samajik, Sanskritik Vashistya
M.A. in Hindi

Experience - 11 Years

Specialization
Natya Sahitya, Gadya Sahitya, Kavya

Research Areas
Natya Sahitya, Gadya Sahitya, Kavya

Research Guidance
- Kaushalya Sharma, YashpalKe Upanyasonka Samajik, Rajnitik Darshan, Awarded- Jan 2017
- Shahin Shaba, Stri Asmita Ke Sandarbh Main Mannu Bhandari Evamlsmat Chughtai ki Kahaniyon Ka Tu Inatmak Adhyan, Submitted: 2018-19
- Shilachi Kumari, 2018, Hindi Kathetar Gadya Sahitya: Chinatanaur Chetna
- Anurag Kumar Chaudhary, 2018, 21vi Sadika Hindi Kavya: Mulya, Asmitaaur Vaichariki
- Ji Bhawani Rajak (Course Work, 2018)
- Neeraj Tiwari (Course Work, 2018)

Publications (Journals)

- R. Vishavaksen, ‘Mahatva kankshaki Jid Main’, Journal- Banas Jan, Year- 2015, ISSN: 2231-6558, UGC No. 41068

Publications (Book) Total - 03

Publications (Chapters) Total - 02

E-Content

Contact:
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Mobile : 7004649048
SCHOOL FOR THE STUDY OF CULTURE

Department of Tribal Studies
Department of Tribal & Contemporary Law
Department of Performing Arts
Department of Politics & International Relations
The Department of Tribal Studies has been established in 2018 after the merging two centres namely Centre for Tribal Folklore, Language and Literature and Centre for Indigenous Culture Studies. The objective of the department is to collect, preserve and document of tribal culture of Jharkhand in particular and India in general. The department is to consolidate study with research, while acquiring new bodies of knowledge for the benefit of the discipline Tribal Studies and thereby supporting over all development. The department of Tribal Studies has established to promote research collaboration with local, national and international body or institutions. It is also to offer lifelong educational opportunities, particularly at the tertiary level, to the public. At present department is offering PhD, two courses in Post graduate on (a) Folklore and (b) Anthropology & Tribal Studies till 2018. From 2019, one more course has been started on PG Diploma in Rural and Tribal Development.

Dr. Rabindranath Sarma
Associate Professor

Qualification
Ph.D. in Folklore Research
Title: A Folkloristic Study on Significance of Dress of the Boro Women in the Changing Social Context
MA (Cultural Studies)
Post-Doctoral Research on Rice Myth of North-East India

Experience - 18 Year

Specialization
Folkloristic, Folklore of Rural and Tribal Development, Folklore Documentation, Folklore Museum and Archiving, Digital Humanities.

Research Areas
Folk Literature, Folklore of tribal communities (including Particularly Vulnerable Tribal Groups), Storytelling, Folk Art and Painting, Indian Folk Cultural Performances, Folklore and Globalization

Research Guidance
• Ria Mukherjee, 2014, The Role of Values within a society as Reflected in Hor Hopon (Santhal) Folktales
• Priyanaka Kumari, 2015, A Structural and Functional Study of Family Folklore with special reference to Oraons of Jharkhand
• R. K. Archana Sada Suman, 2018, Research Ongoing

Research Project
Major Research Project Title: A Study about the Empowerment through Mobile Phones among Oraons in Jharkhand (Co-Project Director), Funding Agency: ICSSR, Amount- Rs. 6.5 Lakhs, Duration: 2018-19

Publications (Journals) Total - 140
• R. Sarma, Ngi Ngao Kham- A Mythical Figure of Tai-Ahom people of Assam. Journal of Research in Humanities and Social Sciences, 5 (5), 2017, ISSN 2321-9467.
• R. Sarma, Jumai and Its Cultural Significance In Boro Society of Assam. Journal of Current Advanced Research, 6 (6), 2017, ISSN 2319-6515.
• R. Sarma, Rice Beer and tribes of Assam. International Journal of Humanities And Social Science, 22 (7), pp 13-16, 2017 ISSN 2279-0837 (e), 2279-0845 (p).
• R. Sarma, Folklore of Serpent in North-East India. International Journal of Management and Social Science, 5 (6), 2017, ISSN 2321-1784.

Publications (Book/Chapters) Total - 10

Contact:
E-mail : rabindranath.sarma@cu.ac.in
Mobile : 7549198583
Dr. Sucheta Sen Chaudhuri
Associate Professor

Qualification
Ph.D. in Anthropology, M.Sc.in Anthropology

Experience - 20 Years

Specialization
Social and Cultural Anthropology

Research Areas
Women contributions in Society and Culture, Gender issues with special reference to tribes and indigenous people

Research Guidance (Awarded-6, Registered-2)
• Dr. Roselima Kamei Pamei, "Gender and Customary Law among Rongmei of Manipur: AnEthnographic Study" (awarded), 2012
• Dr. Hemant Prakash Minj, "A Study on Response to Climate Change in Relation to the Traditional Knowledge System of Indigenous People of Kanhachatti , Jharkhand" (awarded), 2012
• Anindita Nayak, "Gender and Resourse Management among the Khasi Community of Meghalaya, India" (Pursuing), 2013
• Bhagyasree Sahoo, Pursuing course work and finalazing topic on the PVTG (tentative) 2018

Publications (Books-2, Joint Editor of books-3, Chapters-15)


Chapters

Contact:
E-mail : suchetakchai@yahoo.co.in
Mobile : 7987726925

Publications (Journals) Total - 09

• S.S. Chaudhuri, “Pasighat : Post –Colonial Geography and History in Interface” in Glocal Colloques, Vol.1:1, ISSN NO. 2454
• S.S. Chaudhuri, “Socio- Political Movements and Women’s Empowerment in the Bodo Community” in Jr. of Indian Anthropological Society, Volume, 36 (145-158), 2002-3, ISSN0091-4387
Dr. Seema Mamta Minz  
Assistant Professor

Qualification
Ph.D. in Archaeology
Title- Archaeology of Jharkhand with special reference to Hazaribagh
M. A. in Ancient Indian History, Culture & Archaeology

Experience - 10 Years

Specialization
Ancient Indian History, Indian Culture, Tribal culture, Tribal archaeology, tribal history, Ethno-archaeology.

Research Areas
Tribal material culture, Heritage and conservation, History and archaeology

Research Project
Archival, non archival and oral sources-based compilation and analysis of Bir Budhu Bhagat and revolt of 1831-32, funding agency TRI Ranchi

Consultancy
• Monumental documentation at Bundar, Chhatarpur, MP. Funding agency Rio Tinto, Australia
• Social Impact Assessment, Funded by Department of Land Acquisition and Revenue, Govt of Jharkhand

Publications (Journals)
• S. M. Minz, “Hazaribagh” The Treasure Place of Pala Art, Journal of Historical Research
• S. M. Minz, Jain Art of Jharkhand, Srijit (Journal of Heritage Association of India) Vol.-1 ISSN No. 2320-0766
• S. M. Minz, Temple Architecture of Ancient Jharkhand with special reference to Khakhoarta Temple, Pragya Bharti (Journal of K.P. Jaiswal Research Institute, Patna, Bihar)
• S. M. Minz, The Early Farming Community of Jharkhand, Journal of Historical Research, Vol. 51-52
• S. M. Minz, Discovery of religious petroglyphs from Datri; Central Jharkhand, Purakala (Journal of Rock Art Society of India) Vol.20-21, ISSN No. 0971-2143
• S. M. Minz, Chapter in edited book Jain iconography of Jharkhand, in book name Art, Architecture and Archaeology of India, Avon publication

Dr. Rajanikant Pandey  
Assistant Professor

Qualification
Ph.D. in Anthropology- University of Delhi
Title: Iron Mining and Corporate Environmentalism
M.Phil in Anthropology -University of Delhi
Title: Business and Development
M.Sc. in Anthropology (Gold Medalist) - Lucknow University

Experience - 9 Years

Specialization
Environmental Anthropology, Business and Organisational Ethnography, Anthropological Theory and Methods

Research Areas
Mining Industry, People and Environment; Corporate Social and Environmental Management; STs, PVTGs, Ho people, Ethnographic Methods

Research Project
Ethnographic Study of PVTGs of Jharkhand
Funding Agency - Dr. Ram Dayal Munda Tribal Research Institute, Ranchi, Funding Amount- 40 lakhs (Co-PI), Duration-2019-21

Publications (Journals) Total - 04
• R. Pandey, Ethnographies of Mining in Late-Industrialism. 2015. Indian Anthropologist. ISSN: 09700927 (Print/Online), UGC Indexed - 20683
• R. Pandey, Book Review of Enacting the Corporation.2016. Indian Anthropologists.ISSN: 0970-0927 (Print/Online), UGC Indexed - 20683
• R. Pandey & I. Mukherji, Towards Anthropology of Corporate Social Responsibility in India.2018. Oriental Anthropologist. ISSN: 0972-558X(Print) e-ISSN: 0976-3430(online), UGC Indexed- 36629

Publications (Book/Chapters)
DEPARTMENT OF TRIBAL STUDIES


Publications (e-Contents): Total 05
- R. Pandey, Chapter 33 Industrialization and Tribe in Course Tribal Culture of India, 2016. UGC ePGPathsala
- R. Pandey, Engaging with Mining in Anthropocene, 2019. MHRD-ARPIT Course for National Resource Centre in Anthropology, UGC-HRDC Utkal University

Awards/Fellowship
- Chancellor Medal for Being Best Post Graduate Student in all Faculty of Lucknow University
- Gold medal for Best Fieldwork during Masters in Anthropology
- UGC Junior Research Fellowship

Contact:
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Mobile : 9971923318

Dr. T. Neishoning Koireng
Assistant Professor

Qualification
Ph.D. in Folklore “Folk Narratives of the Koireng (Korean) Community of Manipur : A Study”

Experience - 06 Years

Specialization - Oral Narratives

Research Areas -
Urban Folklore, Interdisciplinary Studies on Folklore and Creative Expression, Material Culture and Children Folklore

Research Guidance -
- Hemant Tigga, 2018, Research Ongoing.

Publication (Journal)

Publication (Book/Chapters)

Contact:
E-mail : neishoning@gmail.com
Mobile : 8521380573

Dr. Tulsi Das Manjhi
Assistant Professor

Qualification
Ph.D. in Linguistics, Jawaharlal Nehru University, New Delhi
Title: Descriptive Odia Morphology in the Paninian Model
M.A. in Linguistics

Experience - 7 Years

Specialization
Morphology, Endangered Languages, Theoretical Linguistics

Research Areas -
Morphology, Endangered Languages Documentation, Multilingualism

Research Guidance
- Uday Nath Murmu, 2018, Research Ongoing.

Publications (Translation Work)
- Translated a text entitled “Semiotics” into Hindi for School of Translation Studies and Training, IGNOU, 2013.
- Translated a text entitled ‘Semiotics and Translation’ into Hindi for School of Translation Studies and Training, IGNOU, 2014.

Contact
E-mail : tulsijnu@gmail.com
Mobile : 8294867644
Dr M. Ramakrishnan  
 Assistant Professor

Qualification
Ph.D. in Folklore/Semiotics  
Title - Conceptualization and Configuration of Body, Emotion and Knowledge in Narrative Discourse with Special Reference to Tamil Ballads  
M.A. in Folklore  
Post Doctoral in Classical Tamil, MHRD, CIIL-CECT, Mysore  
Title - Language, Culture and Society: Postmodern Perspective on Tolkappiyam

Experience - 16 Years

Specialization  
Folklore, Classical Tamil, Semiotics

Research Areas
Oral Literature, Semiotics Studies, Sustainability Studies

Research Guidance
• Niraj Kumar, Ethnography Study of Folk Performances of Bihar, 2015  
• Subhashree Sahoo, Course work, 2018

Research Project
• Minor - Research Project  
  Funding Agency - MHRD, CICT Chennai  
  Funding Amount - 2.45 Lakh  
  Duration - 2015-16  
• UGC Research Award  
  Funding Agency - UGC  
  Duration - 2016-18

Publication (Journal)
• Dr M. Ramakrishnan, Relevance and Significance of Oral Traditions and Cultural Heritage, 2017, ISDR, ISSN (Print/Online) 2320 - 9283

Publications (Book/Chapters)
• M. Ramakrishnan, A Note on Sama Worship, 2016, VISN College, ISBN No. 978-93-81723-74-6  

Contact
E-mail : ilakkiyameen@gmail.com  
Mobile : 9199140340

Sudhanshu Shekhar  
Assistant Professor

Qualification
Ph.D. (To be submitted)  
Title: Investigating Multilingual Competence with Special Reference to Discourse Features, Phonological Features and Pedagogical Implications.  
M.A (Linguistics), JNU, New Delhi

Experience - 6 Years

Specialization  
Linguistics

Research Areas
Multilingualism, Language Endangerment, Phonetics and Phonology, Sociolinguistics

Publications (Journal) Total - 04
• S. Shekhar & B. Singh, ‘Peering into the Question of Tribal and Gender: An Ethnographic and Historical Manifestation through Fiction’ The Literary Pearls Vol III 8 B. N. College, Patna University, 2015, ISSN 2319-8001.  
• S. Shekhar, ‘Vanishing Tongues and Folklores’ Assonance No.16 16 2016 Department of Russian and Comparative Literature, University of Calicut, Kerala, 2016, ISSN 2394-7893.  
• S. Shekhar, A dictionary of Lesser-known language ‘Nyishi’ Language in India, May 2019, 2019, ISSN 1930-2940.

Awards
UCG NET JRF

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      sudhanshu.shekhar@cuj.ac.in  
Mobile : 9801044682, 9122092228
Dr. Sujit Kumar Choudhary  
Assistant Professor

Qualification
Ph.D. in Sociology, M.Phil. & MA, JNU, New Delhi

Experience - 10 Years

Specialization
Sociology of Education, Sociology of Development, Sociological Theories, Sociology of Marginalized Communities

Research Areas
Sociology of Education, Sociology of Development, Sociology of Tribal Life

Research Guidance
- Dipanjali Goswami, “Role of Sarva Shiksha Abhiyan in Elementary Education: A Comparative Study on Parhaiya Tribe in Two Districts of Jharkhand”, enrolled in 2014, and the thesis is likely to be submitted by May, 2019
- Govind Kumar Rohit, 2018
- Mr. Subal Tandi, 2018

Publications (Journals) Total - 21

Publications (Book/Chapters) Total - 14

Contact :
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- Mobile : +91-9939453225
The Department of Tribal & Contemporary Law (formerly Centre for Tribal & Customary Law) came into being in 2013 with the launching of M.A., LL.M. and Ph.D. programs. The mission of the department is to intricacies and insight about the culture of tribal people(s), their philosophy of life and prevailing customary practices and to instruct about laws and regulation concerning and impacting tribal peoples, either directly or indirectly. It also fosters critical analytical skills for understanding and representation of tribal people(s), both in India and well as outside the nation and to develop an interdisciplinary perspective on the study of tribal people(s) by introducing concepts and debates on governance, development and administration within the national and global framework, emanating from the disciplines of anthropology, sociology, political science, public administration, economics and law. The department is committed to train students for multifaceted research in issues concerning tribal / indigenous people(s). The thrust areas of the departments are Indigenous Peoples and Human Rights, Human Trafficking, Workplace Harassment, Tribal Unrest, Tribal Customary Laws, International Law and Indigenous Peoples, Tribal Governance and Administration, Tribal Welfare and Development, Land Laws, Folk Songs and Ethnography of Primitive Tribal Groups.

Dr. Debendra Kumar Biswal
Assistant Professor

Qualification
Ph.D. in Anthropology / University of Delhi
Title - Ecology and Health: A comparative study of Kutia Kondhs and Gonds in Orissa
M.Sc. Anthropology

Experience - 13 Years

Specialization
Social Anthropology, Customary Law, Environment & Health

Research Areas
Tribal unrest, Customary law and Adivasis, Child and Mother Health

Research Guidance
• Manoj Kumar, Utilization of Common Property Resources for Sustainable Tribal Development : A Study among the Oraons of Jharkhand, 2014
• Ramchandra Oraon, Natural Resource Exploitation and Conflict in West Singhbhum, Jharkhand : A Socio-Legal Study, 2014
• Shalini Saboo, Customary Law and Challenges to Governance in the Context of Land Inheritance of Tribal Women : A Socio-Legal Study of Mundas in Jharkhand, 2015

Research Project
• Study on Particularly Vulnerable Tribal Groups of Jharkhand, Funding Agency - Tribal Research Institute, Ranchi, Funding Amount - 40 Lakhs, Duration - 2019-21

Publications (Book/Chapters) Total 12

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Dr. Rashwet Shrinkhal
Assistant Professor

Qualification
Ph.D., Jawaharlal Nehru University, Delhi
Title - Rights of Indigenous People under International Law : A Critique
M.Phil., Jawaharlal Nehru University, Delhi
LL.M., Banaras Hindu University, Varanasi

Experience - 6.5 Years

Specialization
International Law, Legal Theory, Tribal Rights, Human Rights

Research Areas
Indigenous Peoples Rights and International Law, Tribal Rights under Domestic Legal System, Tribal Customary Laws, Science and Law

Research Guidance
• Sadanand Pandit, 2018, Research Ongoing.

Research Project
• Social Impact Assessment of Medium Irrigation Scheme, Funding Agency - Government of Jharkhand, Funding Amount - 495000, Duration - 6 Months, 2017
• Social Impact Assessment of ISBT, Kanke, Funding Agency - Government of Jharkhand, Funding Amount - 821934, Duration - 6 Months, 2017-18
• SIA of Ranchi Ring Road Pariyojna, Funding Agency - Government of Jharkhand, Funding Amount - 1239844, Duration - 6 Months, 2017-18
• Study on Particularly Vulnerable Tribal Groups of Jharkhand, Funding Agency - Tribal Research Institute, Ranchi, Funding Amount - 40 Lakhs, Duration - 2019-21

Publications (Journals)  Total - 05

Publication (Book/Chapters)
• “Coupling Phytoremediation Appositeness with Bioenergy Plants: A Socio Legal Perspective” IN [KuldeepBauddh et al. 2016] [Springer: Singapore]
• “Economics, Technology and Environmental Protection: A

Critical Analysis of Phytomanagement Technologies” IN [Vimal Chandra Pandey et al. 2018] [Elsevier]

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Shamsher Alam
Assistant Professor

Qualification
Ph.D. (Pursuing), Indian Institute of Technology (IIT) Patna
Title: Tribal Communities at the Crossroad : A Study of Witchcraft and Witch-Hunting in Ranchi (Jharkhand)
Master in Anthropology - Gold Medalist (with Distinction)

Experience - 6.5 Years

Specialization - Tribal Governance and Administration, Tribal Welfare and Development, Research Ethics

Research Areas -
Witch Hunting Among Tribals, Medical Anthropology, Issues and Concerns in Tribal Governance

Research Project
• Ethnographic Study of PVTGs of Jharkhand Funding Agency - Dr. Ram Dayal Munda Tribal Research Institute, Ranchi Funding Amount - 40 Lakhs Duration : 2019-20
• Short Term Consultant for Social Development in South Asian Region Funding Agency - World Bank, Washington, USA Funding Amount - 3.9 lakhs Duration - 30 days 2019

Publications (Journal)

Publication (Book/Chapters)

Contact:
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Dr. Walter Beck
Assistant Professor

Qualification
Ph.D. in Anthropology, Ranchi University, Ranchi
Title - The Lohra: A Monographic Study of An Artisan Tribe of Chotanagpur, Jharkhand
Master in Anthropology

Experience - 7 Years

Specialization
Socio-Cultural Anthropology, Tribal Development, Customary Laws

Research Areas
Folk Songs, Ethnography, PVTGs

Research Guidance
• Meena Kumari, Witchcraft and Women: A Socio-Legal Study of the Tribal Communities of Ranchi, India, 2013
• Farhan Rahman, A Study of the Problems of Drop-out among Scheduled Tribe Students Pursuing Higher Education in Universities of Jharkhand, 2013
• Eva Jyoti Lakra, Traditional Tribal Self Governance in the Era of Panchayati Raj System : A Socio-Legal Study in the Scheduled Areas of Jharkhand, 2015

Research Project
• Study on Kol Teli of Jharkhand, Funding Agency - Dr. Ram Dayal Munda Tribal Reserch Institute, Jharkhand, Funding Amount - 1 lakh, Duration - 3 Months, 2019
• Ethnographic Study of PVTGs of Jharkhand, Funding Agency - Dr. Ram Dayal Munda Tribal Reserch Institute, Jharkhand, Funding Amount - 40 Lakhs, Duration - 2019-21

Publications (Journals) Total 6
• W. Beck, A Study on Tribal Folksongs of Jharkhand, India, 2018, Prints Publication Pvt. Ltd., ISSN (Print/Online) - 0972-558X / 0976-3430, UGC Indexed No. - 36629

Publications (Book/Chapters) Total 3

Dr. Ashok Nimesh
Assistant Professor

Qualification
Ph.D. in South East Asian Studies, School of International Studies, Jawaharlal Nehru University
Title - ASEAN's Approach towards Human Rights: A case study of Myanmar
M.Phil in South East Asian Studies, School of International Studies, JNU
Master in Human Rights and Duties (Pondichery University) & MA in Politics (Sp. In International Relations) (JNU), PGDHR, (IIHR, New Delhi)

Experience - 6 Years

Specialization
Human Rights, Women Studies, International Conflicts & Disputes
Research Areas
- Gender Studies, Labour, Harassment and Workplace, Homeless People and Human Trafficking

Publications (Journals)
- A. Nimesh, Emancipation of Women under the Cultural Matrix, ASCENT INTERNATIONAL JOURNAL FOR RESEARCH ANALYSIS, 2018, Navbharat Memorial Foundation, ISSN (Print/Online)- 2455-5967, UGC Indexed - 63514

Publications (Book/Chapters)

Awards/Fellowship
- ICSSR Award of Ten Days Research Methodology Workshop for Doctoral Scholars in Social Sciences to be conducted by DCTCL, CUJ

Shilpi Hembrom
Assistant Professor

Qualification
- MA in Human Rights

Experience - 6.5 Years

Specialization
- Indigenous Peoples and Human Rights, Gender and Human Rights, Children and Human Rights

Research Areas
- Tribal Self Governance System, Jharkhand Land Laws, Human Rights Laws

Contact
Mobile : 7033057154
Dr. Deepika Srivastava  
Assistant Professor

Qualification  
Ph.D. in Music  
Title-“ Kavi Guru Ravindra Nath Tagore ki sangeet rachnao mein sangeet tatva tatha aadhunik drishtikon”, Sangeet Prabhakar, Sangeet Praveen  
Masters in Vocal music

Experience - 12 Years

Specialization  
Hindustani Vocal Music

Research Areas  
Vocal music, Rabindra Sangeet, Folk music, Theatre music.

Research Guidance  
• Lopamudra Majumdar, 2016, Popular use of Percussion Instructions in Nagpur Folk Music And Dance  
• Sumit Kumar, 2017, Gwaliar gharane ki gayaki ka vartmaan swaroop  
• Ashok Bairagi, 2018, Swatantrayottar Natya Nirdesh ko ke Natya Pradarshno mein Raang sangeet : Parampara aur prayog

Publications (Books/Chapters)  
Total 08  
• D. Srivastava, Rabindra sangeet aur taal, Parisheelon, 2009, ISSN: 0974-7222  
• D. Srivastava, Rabindra sangeet mein shastria sangeet ka prabhav, Aanvishiki, July-August 2008, ISSN: 0973-9777  
• D. Srivastava, Veena par swar shapan ke vividh ayam, NAGARI Pracharini Patrika, 2009, ISSN: UGC List No.- 41616  
• D. Srivastava, Rabindra sangeet: eak shodhpark

addhyan, Sangeet Galaxy, Vol. 2, No.1/January 2013, ISSN: 2319-9695  
• D. Srivastava, Bangal ke lookgeet, Chaumasa, 91/ March-June 2013, ISSN: 2249-5479

Publications (Journal)  

Awards/Fellowship  
• Adarsh Vidhya Saraswati Rashtriya Puraskar, National Award for Excellence and Best Teacher Award, Global Management Council, 2019  
• Chancellor Silver Medal, University of Allahabad, 2004  
• National Scholarship, Ministry of Culture, Govt. of India, 2005-2007  
• Bhojpuriya Suro Ke Ustaad, 2010

Contact  
E-mail : deepika.srivastava41@gmail.com  
deepika.srivastava@cuj.ac.in  
Mobile : 9839807835

Dr. Jaya Shahi  
Assistant Professor

Qualification  
Ph.D. in Music  
Title - Dhrupad evam Khyal gayan hetu kantha sanskar: Ek vishleshanatmak adhyayan  
Master in Vocal Music

Experience - 6 Year

Specialization  
Hindustani Vocal Music - Khyaal
DEPARTMENT OF PERFORMING ARTS

Research Areas
Voice Culture, Folk Music, Hindustani Music, Gharana

Research Guidance
• Manish Kumar, 2017, Research Ongoing

Publications (Journal)
• J. Shahi, Ikkisavi shatabdi mein prachalit raag gayan shailiyon mein lokpriya khyal shaili ke badalte swaroop par ek drishti. Sodh Drishti Vol.6, No.6, 11-14, 2015, ISSN: 0976-6650
• J. Shahi, Folk operatic theatre Performance, Nautanki : An overview, Anuranjani No. 2, 66-69, 2017, ISSN: 2321-9785

Contact:
E-mail : jaya.shahi@cuj.ac.in
Mobile : 9792426262

Shakir Tasnim
Assistant Professor

Qualification
Ph. D. pursuing in Theatre Arts
Title- “Performatve Study of ‘Urs’of Sheikh Sharfuddin Ahmad YahyaManeri at Biharsharif”. Masters in Theatre Arts, M.A. (Urdu Literature), M. Phil.,

Experience - 6 Years

Specialization
Direction, Acting, Dramatic Literature

Research Areas -
Performance Studies, Directorial Methods, Film and Theatre Acting

Publication (Book/Chapters)

Directorial Works Total - 9
• Directed a full length play “Dus Din Ka Anshan”, performed at IINRG, Namkum, 2013-14
• Directed a full length play “CourtMartial”, performed at different National Festivals i.e. Audrey House (Ranchi), Kalidas Rangalay (Patna) and Bapatla (Andhra Pradesh), 2016-17
• Directed a full length play “SaariRaat”, performed at CUJ, 2016-17
• Directed a full length play “Waiting for Godot” performed at Sani Parab organized by Govt. of Jharkhand (Ministry of Youth Affairs), Audrey House(Ranchi), 2017-18
• Directed a full length play “DoosraAdhyay” performed at National Festival organized by Little Thespian, Kolkata, 2018-19

Awards/Fellowship
• Got Scholarship from Denmark to attend “Odin Week Festival” in 2018
• M. Phil topper award by Urdu Academy , Government of Delhi.

Contact:
E-mail : shakir.tasnim@cuj.ac.in
Mobile : 08538979428

Venkata Naresh Burla
Assistant Professor

Qualification
Ph.D. (Thesis Submitted), University of Hyderabad.
Title: Experiments with Tradition: A Study of Post-Colonial Indian Theatre
MAIPR (MA in International Performance Research with Erasmus Mundus Scholarship) University of Tampere, Finland and University of Amsterdam, Netherlands
M.P.A (Theatre Arts) – University of Hyderabad

Experience - 9 Years

Specialization
Applied Theatre, Lighting Design, Set Design, Direction

Experience - 9 Years

Specialization
Applied Theatre, Lighting Design, Set Design, Direction
Research Areas
Performance Research, Theatre Criticism, Experimental Theatre, Post-Modern Theatre

Directorial Work  Total 12
- Gopal Ki Duniya (2014): Performed on the occasion of World Theatre Day on 27th March 2014 at Central University of Jharkhand. Same play has been invited by Asirwad Rangamandal, Begusarai, and presented on 21st September 2014 at Town Hall, Begusarai, Bihar.
- Rajugoru (2013): Performed on 30th March, 2013, on the occasion of Patanjali Festival, organized by Theatre Outreach Unit, University of Hyderabad at Hyderabad.

Publications (Journals)

Publications (Book/Chapters)
The Department of Politics and International Relations has been established in the year of 2019. Since its inception it was offering 5 Years Integrated M.A in International Relations. In the year of 2015 Department has started Ph.D Programme (Full-time) and since the Academic Year of 2017-18 the Department started two years Master Programme. The establishment of the Department of Politics and International Relations provides a new institutional focus at Central University of Jharkhand for teaching and research on political science and international relations in all its dimensions; international and comparative, theoretical and empirical, abstract and practical.

Dr. B. B. Biswas
Assistant Professor

Qualification
- Post-Doctoral: Southern Asia Studies
- Ph. D. Politics and International Studies
- Title: Politico Strategic Dimensions of US-Bangladesh Relations
- M. Phil. in Political Science
- M.A. Politics and International Studies

Experience - 9.2 Years

Specialization
- India’s Foreign Policy, South Asia, Bangladesh Foreign Policy

Research Areas
- Southern Asia, National Security, Foreign Policy, Boarder Studies

Research Guidance
- Neha Kumari Murai, 2015, Title: “Role of World Health Organisation in Global Health: A Case Study of India” 2015 onwards

Publications (Journals) Total 05
- **B. B. Biswas**, “Factors in 2014 India’s Lok Sabha Election” Foreign Affairs Insights and Reviews (FAIR), vol.2, no.2, published by Bangladesh Institute of International Strategic Studies (Dhaka), March- May 2014, pp.2-5 (ISSN: 23II-6286)

Publications (Books/Chapters) Total-05

Edited Book Total-05
- **B. B. Biswas**, Modi’s Cultural Diplomacy and Soft
Dr. Subhash Kumar Baitha
Assistant Professor

Qualification
Ph.D. in International Relations
Title: “Foreign Policy of Mongolia and its approach Towards Multilateral Engagement, 1991-2013”.
M. Phil, NET-UGC Qualified in Political Science, Human Rights And Duties, and International and Area Studies.
M.A in Politics (Spl. in International Relations),

Experience - 2 years

Specialization
India’s Foreign Policy, International Relations, Foreign Policy of Mongolia, Inner Asian Studies.

Research Areas
Mongolia’s foreign Policy, Area Studies, Foreign Policy.

Research Guidance
• Aman Raj, Pursuing Course Work, 2018

Publications (Journals) Total - 07
• “India Mongolia Relation’s and the Strategic Environment in North- East Asia” in The International Journal of Social Sciences and Humanities, August 2015, Vol.4, No. 8, p 61-80, ISSN: 2320 4702.

Publications (Book 1/Chapters 2)

Contact :
Email : subhjnu@gmail.com
Mobile : 9102145055

Dr. Aprana
Assistant Professor

Qualification
Ph. D, NET/JRF

Experience - 06 Years

Specialization - International Relations

Research Areas -
South Asian Studies, Indian Foreign Policy, Gandhian Studies

Publications (Journals) Total- 05
• “भारत के पड़ोस में बदलते समीकरण : एक विश्लेषण”, World Focus (in Hindi), Number- 74, May 2018, New Delhi, ISSN No. 2231-0185.
• “Shifting Equations in India’s Neighbourhood: An Analysis”, World Focus, Special Issue, Number- 459, March 2018, New Delhi, ISSN No. 2230-8458, US Library
of Congress No. 80910345.

• “Emerging SAARC: Role of SAU”, World Focus, Volume XXXIII, Number- 3, March 2012, New Delhi, ISSN No. 2230-8458.

• “Nepal in China’s Foreign Policy”, World Focus, Volume XXXIII, Number- 5, May 2012, New Delhi, ISSN No. 2230-8458.

• “उम्मत ता सारक : साउथ एसियन यूनिवर्सिटी”, (in Hindi), World Focus, Number- 11, November 2012, New Delhi. ISSN No. 2231-0185.

Publications (Books/Chapters) Total- 06


Contact :
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Mobile : 8002042763

Publications (Journals) Total - 30


• Ranvijay. (2017), Media, War and International Relations. Vaichariki, 7(4) 120-123.


Publication (Book/Chapters)


Contact :
E-mail : ran.vijay@cuj.ac.in
Mobile : 8521413803
SCHOOL OF EDUCATION

Department of Education
The Department of Education was established by the university in the academic year 2013-14 by offering 4 Years Integrated B.A. B.Ed. and B.Sc. B.Ed. programme. Later on the department also offered 2 Year B.Ed. and Ph. D. in Education programme in the year 2015-16 and 2018-19 respectively. The department conduct its programmes and activities through excellence to make quality education accessible and affordable. The curriculum of all courses includes variety of value added programmes to prepare professional and competent educationists. The department believes that true excellence in education requires a commitment to equity and social justice. Thus, the main aim of the department is to prepare creative, culturally competent and critically reflective teachers who possess deep knowledge in their fields and work collaboratively to achieve high quality education for all.

**Dr. Vimal Kishor**  
*Associate Professor*

**Qualification**  
Ph. D. in Education,  
Title – "Internal Assessment Component at Bachelor of Education Level in Himachal Pradesh University: An Evaluative Study  
M. Phil., M.A. (English, Sociology), M.Ed.

**Experience** - 11.5 Years

**Specialization**  
Educational Research Methodology, Sociology of Education, Educational Measurement and Evaluation,  
Teacher Education

**Research Areas** -  
Teacher Education, Psychology of Education, Educational Measurement and Evaluation

**Research Guidance**  
• Uttam Kumar, 2018, Research Ongoing  
• Lavina Saluja, 2018, Research Ongoing.

**Publications (Journals)**  
Total 36


**Publications (Book/Chapters)**  
Total 16


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Mobile : 9064474226
Acknowledgement

Entire CUJ Family