

Central University of Jharkhand
Research area Specialization of the faculty

Sl. No	Programme Name	Department Name	Faculty Name under whom Ph.D. admission be done and no. Of seats allocated	Vacancy available (Yes/No)	Area of specialization	List of best 5 Publications
1	Ph.D. Politics and International Relations	Politics and International Relations	Dr. Alok Kumar Gupta	Yes	South Asia, Politics, Culture, Defence and Foreign Policy, Indian Government and Politics	<ol style="list-style-type: none"> 1. "Gandhian Ethics: It Contemporary Relevance for Peace, Prosperity and Liberty" in <i>World Focus</i> of September 2020, Vol.489, No.5 Issue No.489 pp. [ISSN No. 2230-8458] 2. "Political Obligation" (Allahabad: Central Law Publications, 2016). [ISBN-978-93-84961-94-7] 3. "Imperatives of Electoral Reforms: One Nation, One Election—Advantages and Disadvantages" published in a book titled <i>Indian Democracy at 70: Challenges Ahead</i> edited by Parshuram Sial and Bibhuti Bhushan Biswas, (New Delhi, Mark Books, 2019), pp.131-147 4. "Arms Purchase and Security Concerns of India, 1986-1999" (Saarbrucken, Germany: VDM-Verlag, 2009) [ISBN-978-3-639-17247-8] 5. "Live Versus Livelihood: Critical Assessment of Migrant Crisis in India" in <i>World Focus</i> of August 2020, Vol.488, No.5 Issue No.488 pp. [ISSN No. 2230-8458]
			Dr. Bibhuti Bhusan Biswas	Yes	South(ern) Asia	<ol style="list-style-type: none"> 1. Bibhuti Bhusan Biswas, "Indo-Russian Partnership: Emerging Dynamics," <i>International Journal of Bangladesh Institute of International Strategic Studies</i> (Dhaka), vol. 32, no. 3, July-2011, pp. 252-68 (ISSN: 1010-9536); with Abu Salha Md. Yousuf 2. Bibhuti Bhusan Biswas, "Problems of Democracy and Nation Building in Pakistan," <i>Social Science in Perspective</i>, C. Achutha Menon (Study Centre & Library) Foundation, Thiruvanthapuram, Kerala, vol. 4, no.1, pp. 28-46, 2012 (ISBN:0975-5497) 3. Bibhuti Bhusan Biswas, "India-Bangladesh Relations: Issues, Problems and Recent Development" <i>Politico</i>, vol.1, no.1, November 2013, New Delhi, pp. 43-56 (ISBN No. 2322-0686). 4. Bibhuti Bhusan Biswas, "Act East Policy through Myanmar via Northeast India: Opportunities and Challenges" in <i>Political Discourse</i>, vol.2, No. 3 & 4, December 2016-June 2017, Muzafferpur, pp. 140-155 (ISSN-2455-0888). 5. Bibhuti Bhusan Biswas, "US-Bangladesh Relations: From Initial Hostility to Enduring Partnership," in M. Saleem Kidwai, ed., <i>US Policy towards the Muslim World: Focus on Post 9/11 Period</i> (New York:

					University Press of America, 2010), pp. 237-48 (ISSN/ISBN No. 0761851577, 9780761851578) with N K Jha;	
			Dr. Subhash Kumar Baitha	Yes	<p>(1) Central Asia</p> <p>(2) Theories Of International Relations</p> <p>(3) Foreign Policy</p> <p>(4) Inner Asia</p>	<ol style="list-style-type: none"> 1. Book Published Sole Author: “<i>Mongolia’s Approach Towards Inner Asian security</i>” published by GenNext Publication a group of publication Gyan Book Pvt Ltd, ISSN NO-978-93-5128-8022-236-3. New Delhi. 2. Chapter In Book: “<i>Prospective on Mongolia’s foreign policy</i>”, in the “<i>Mongolia Today: internal Changes and External Linkages</i>” edited by Dr. Sharad K. Soni, Pentagon Press: New Delhi. Pp132-145. ISBN NO-978-81-8274-858-3, Year-2016. 3. “<i>Assessment of India’s Foreign Policy</i>” in the <i>Modi Regime</i>”, in the International Relations & Diplomacy Theory and Practices, edited by Dr. Aparna And Dr. Ranvijay, Manak Publications Pvt Ltd. New Delhi. pp 85-102. ISBN NO-978-81-943035-4-1, Year -2019. 4. <i>Role of Soft Power in India’s Foreign policy as a Regional security</i> in the Soft Power and Public diplomacy in India and China, edited by Bibhuti Bhusan Biswas, Indu book Services Pvt. Ltd., New Delhi, pp 179-188., ISBN NO-978-93-86754-61-5, Year-2020 5. Book review: “<i>Caste: Oxford India short introductions</i>”, (New Delhi, Oxford University Press, 2012), by Surinder S. Jodhka, <i>Asian Ethnicity</i>, Routledge, vol. 16, Issue 1, 2015.
			Dr. Aparna	Yes	<p>South Asian Politics</p>	<ol style="list-style-type: none"> 1. “Forward Looking SAARC”, an ICWA Outreach Series, edited by Saurabh & B C Upreti, Volume 1, ISBN No.- 9788182745834, Pentagon Press, New Delhi, 2012. 2. “Rapprochement of Indo- Nepal Relations Since 2015”, edited by Pramod Jaiswal, ISBN No: 9789383930692, G.B. Books, New Delhi, 2017. 3. “Myanmar and India’s Act East Policy”, edited by Om Prasad Gadde & Amit Kumar Gupta, ISBN No.-8183248241, Mittal Publications, New Delhi, 2017. 4. “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. 5. “Global Health Security Strategy: An Analysis” World Focus, Special Issue, June 2020, New Delhi, ISSN No. 2230- 8458.

			Dr Rajashree Padhi	Yes	Governance, Public Policy and Human Rights	<ol style="list-style-type: none"> 1. Padhi, Rajashree, "Innovations in Delivery of Mid-Day Meals Scheme through Public Private Partnership: A Study of ISCKON and Akshaya Patra Foundation", in Rumki Basu (Ed.) 'Making Democratic Governance Work: Reinventing Public Service Delivery Systems in India', Bloomsbury, New Delhi, 2014. 2. Padhi, Rajashree, "School Meals Scheme: Response of the Indian State", Journal of Governance and Public Policy, Vol-2, Issue-1, January-March 2012, Pp 46-53. 3. Padhi, Rajashree, "School Meal Programme in India: Digitalization for Effective Implementation", in Dhirendra Vajpeyi and R K Mishra, (Ed), Global Governance Conflict Resolution and Sustainable Development, MacMillan India Pvt Ltd, New Delhi, 2012. 4. Sahu, Samanta and Rajashree Padhi, "System Dynamic Approach to Urban Drinking Water Supply: From Centralized to Decentralized-Local Solutions" , in Mrudula Sahaya's edited book on "System Dynamism of India", MacMillan India Pvt Ltd, New Delhi, 2011. 5. Rao, V. Madhava, R.R. Hermon, Rajashree Padhi and P. Anuradha, "Empowering the Rural Farming Community: A Case of Community Radio in Jharkhand", Journal of Agricultural Extension Management, MANAGE, Hyderabad, Vol XIV No. 2 July - December, 2013.
2.	Ph.D. Tribal Studies	Tribal Studies	Dr. M. Ramakrishnan	Yes	Semiotics and Cognitive Approaches to various folklore items, Folkloristic Approach to Ancient and Modern Literature, Inter-disciplinary Studies and comparative studies	<ol style="list-style-type: none"> 1. "Visualization Tradition and the concept of Egai (Charity)" (2018. <i>Vallamai</i>) 2. "Cultural Intelligence and Ancient Tamil Literature"(Peyal -Sep. 2020. 3. A Prefatory Note on Ancient Tamil text - Pazhamozhi Naanuuru. (Ed. By Swati Samantaray, <i>Folklore: A Key to Cultural Understandin</i>, Authors Press, New Delh, 2019) 4. "Seenichatti - Cultural Connection between (South) India and China" (Ed. By BibhutiBhusanBiswas, <i>Soft Power and Public Diplomacy in India and China</i>, New Delhi: Indu Books.) 5. "HumanRights as Fundamental Rights: Proposal for the Use of folk forms for creating awareness" (Ed. By DirendraTripathi, <i>Human Rights</i>, Ranchi: ISDR)

			Dr. T. Neishoning Koireng	Yes	Folklore and Folklife Studies of Tribal people, Comparison of mainstream and marginalise culture Interdisciplinary Studies on Folklore and Creative Expression	<ol style="list-style-type: none"> 1. "Interpretations of the Koirengs Folk Tale of Manipur on the Ngaitai Tale" GNOSIS An International Refereed Journal of English Language and Literature 2. Title of the book: People's Linguistic Survey of India. Volume Eighteen, Part II, The Languages of Manipur, Publisher: Orient BlackSwan 3. "Orality in Transition: A Study on the Koirengs Of Manipur" <i>Orality and Beyond: A North-East Indian Perspective</i>, published by the Sahitya Akademi, 4. "Evolving Perspectives: A look at the Origin Narratives of the Korens of Manipur" <i>Glimpses of Tribal Issues</i>, Subdeep Publication New Delhi, 5. <i>Unwritten Customary Law of North-East India</i>, published by Don Bosco Centre for Indigenous Cultures, Shillong, India.
			Dr. Rajnikant Pandey	Yes	Environmental Anthropology, Organisational Ethnography, Indian Culture, Theory and Methods (Mining Industry, Corporate Social and Environmental Management; Ho people of Jharkhand	<ol style="list-style-type: none"> 1. 2019. Ethicizing Corporate Environmentalism: An Anthropological Study of Mining Industry in Jharkhand. <i>Indian Anthropologist</i>, 49(1): 75-86. ISSN: 09700927 http://www.jstor.org/stable/43899403) 2. 2018. Demystifying 'Green' in Iron Mining: An Ethnographic Study among the Ho of Jharkhand. <i>Jharkhand Journal of Development and Management Studies</i>, 16(4): 7869-7886. ISSN 0973-8444, http://www.xiss.ac.in/JJDMS/Vol16/Issue4/index.php 3. 2018. Towards Anthropology of Corporate Social Responsibility in India. <i>Oriental Anthropologist</i>, 18(2): 223-244. ISSN: 0972-558X e-ISSN: 0976-3430 (with Mukherji, I.) 4. 2016. Book Review of "Mining Capitalism" in <i>Journal of Climate Change and Sustainability</i> Vol 4 Issue 1 (http://www.indianjournals.com/ijor.aspx?target=ijor:cces&volume=4&issue=1&article=br) 5. 2016. Book Review of "Enacting the Corporation" in <i>Journal Indian Anthropologists</i> Vol 46 No1 ISSN: 09700927 (https://www.jstor.org/journal/indianth)

			Dr. Tulasidas Majhi	Yes	Language and Linguistic Aspects in Tribal Studies, Multilingualism in the tribal communities, Multiculturalism in tribal communities, Translations, and General Linguistics	
3.	Ph.D. in Transport Science and Technology	Transport Science and Technology	Dr. Sushil Kumar Shukla	Yes	<ol style="list-style-type: none"> 1. Industrial wastewater treatment 2. Microbial engineering 3. Bioremediation 4. Phytoremediation 5. Biofuel 6. Watershed management 	<ol style="list-style-type: none"> 1. Kumar M., Shukla S.K., Upadhyay S.N., & Mishra P.K., (2020), "Analysis of thermal degradation of banana (<i>Musa balbisiana</i>) trunk biomass waste using iso-conversional models" in Journal Bioresource Technology (Elsevier), 310, 123393 (Impact factor: 6.669) 2. Saha S., Shukla S.K, Singh H.R., Pradhan K.K., & Jha S.K., (2020), "Production and purification of biofloculants from newly isolated bacterial species: a comparative decolourization study of cationic and anionic textile dyes" in Journal of Environmental Technology (Taylor & Francis), https://doi.org/10.1080/09593330.2020.1737737. (Impact factor: 1.918). 3. Singh E., Kumar A., Khapre A., Saikia P., Shukla S.K & Kumar S., (2020), Efficient removal of arsenic using plastic waste char: Prevailing mechanism and sorption performance" in Journal of Water Process Engineering, 33, 101095 (Impact Factor: 3.17). 4. Gupta K. K., Singh N.L., Pandey A., Shukla S.K., Upadhyay S.N., Mishra V., Srivastava P., lalla N.P., & Mishra P.K. (2013) "Effect of anatase/rutile TiO₂ phase composition on Arsenic adsorption" in, Journal of Dispersion Science and Technology, 34:1043-1052 (Impact Factor: 1.17). 5. Shukla S.K, Tripathi. A, Mishra P.K (2014), "Fungal Decolourization of Anaerobically Biodegraded Distillery Effluent (ABDE) Following Coagulant Pretreatment" in IJSET, Vol. 3, No 2, 2014, 723 - 734.
			Dr. Suchit Kumar Patel	Yes	<ol style="list-style-type: none"> 1. Soil modification and Ground improvement 2. Pavement Geotechnics 	<ol style="list-style-type: none"> 1. Patel S.K. and Singh B. (2020). A comparative study on shear strength and deformation behaviour of clayey and sandy soils reinforced with glass fibre. Geotechnical and Geological Engineering, 38(5), 4831-4845. 2. Patel S.K. and Singh B. (2019). A Parametric Study on the Vertical Pullout Capacity of Suction Caisson Foundation in Cohesive Soil. Innovative Infrastructure Solutions, 4(1), 1-11.

					<p>3. Reinforced Soil and Earth Structures</p> <p>4. Site Characterization and Pavement Subgrade</p> <p>5. Modeling of Offshore and Onshore Foundations</p>	<p>3. Patel S.K. and Singh B. (2019). Shear Strength and Deformation Behaviour of Glass Fibre-Reinforced Cohesive Soil with Varying Dry Unit Weight. Indian Geotechnical Journal, 49(3), 241–254.</p> <p>4. Patel S.K. and Singh B. (2017b). Experimental investigation on the behaviour of glass fibre-reinforced cohesive soil for application as pavement subgrade material”. International Journal of Geosynthetics and Ground Engineering. 3(2), 1-12.</p> <p>5. Patel S.K. and Singh B. (2017a). Strength and deformation behavior of fiber-reinforced cohesive soil under varying moisture and compaction states”. Geotechnical and Geological Engineering, 35(4), 1767-1781.</p>
4.	Ph.D. Mass Communication	Mass Communication	Prof. Dev Vrat Singh	Yes	<p>New Media, Mobile Communications, Electronic Media, Asian Perspectives of Communication,</p>	<p>1. Examining Status of Media Education in Universities of Eastern India, Sampriti, a peer reviewed national research journal of humanities and social sciences published by Sampriti Publication, Gauhati University Campus, Jalukbari-14, Gauhati. ISSN – 2454-3837, Vol. VI, Issue-II(Sampriti is a journal listed in UGC-CARE list), Page – 629-647. First author of this paper is Mr. Rajesh Kumar</p> <p>2. Mobile Phone and Emerging New Digital Culture among Oraon Community of Jharkhand, Sampriti, a peer reviewed national research journal of humanities and social sciences published by Sampriti Publication, Gauhati University Campus, Jalukbari-14, Gauhati. ISSN – 2454-3837, Volume VI, Issue-I, March 2020, Page – 275-288, Sampriti is a journal listed in UGC-CARE list, Co-author of this paper is Dr. Rabindranath Sarma</p> <p>3. Visual Merchandizing of a Social Taboo called the Periods: A Study about TVCs of Sanitary Napkins in India, Centurion Journal of Multidisciplinary Research, published by Centurion University, Odisha, Volume 10, Number I, October 2019 – March 2020. First author in this paper is Ms. Nitu Kumari</p> <p>4. Theatre Communication Traditions in China and its Relationship with India’s Natyasastra, A Chapter in the Book titled Soft Power and Public Diplomacy in India and China, Edited by Bibhuti Bhusan Biswas, 2020, ISBN -978-93-86754-61-5, Indu Book Services Pvt. Ltd. New Delhi, Page – 239-250, First author in this this paper is Ms. Vishakha Rajurkar Raj</p> <p>5. Functionality and Effectiveness Analysis of BJP and INC Websites in the Journal of Advanced Research in Journalism and Mass Communication, Volume 6, Issue 1, 2019. ADR Publications Delhi, (ISSN 2395-3810), Peer Review and Referred quarterly Journal 62888 UGC Old List. First author in this paper is Ms. Neha Pandey</p>

			2. Dr. Sudarshan Yadav	Yes	Science Communication, Film Studies, New Media, Development Communication, Contemporary Studies	<ol style="list-style-type: none"> 1. Yadav Sudarshan, Indian Democracy 2.0 - The Rise of 'New India' and the Role of Social Networks, Media and Democracy, (Editor: Dr. Euripides C. Antoniadis), Cyprus; ISBN: 978-9925-557-46-2. 2020 2. Yadav Sudarshan, Mass Communication Education and Training Centres, History of Mass Communication, Media and Communication Studies, ePG Pathshala. MHRD, GOI. 2017 3. Yadav Sudarshan, Pro-Women Media Activism, Women Media and Films, Women Studies, Gender Studies. ePG Pathshala. MHRD, GOI. 2015 4. Yadav Sudarshan, Actresses and Stardom, Women Media and Films, Women Studies, Gender Studies. ePG Pathshala. MHRD, GOI. 2015 5. Yadav Sudarshan, Reality Versus Virtuality: Internet, A Space beyond Reality yet real-An Insight to Facebook, The BHU Journal of Communication Studies, 2012, ISSN 2231-5578.
			3. Dr. Amrit Kumar	Yes	Development Communication, Tribal Studies, Print Media	<ol style="list-style-type: none"> 1. Suchna ka loktantrikaran, Suchna ka adhikar adhiniyam aur Gramin janta, Published by Golden Research Thoughts, ISSN No. 2231-5063, With Impact Factor: 1.9508(UIF), Vol-3, Issue-5, (Nov 2013) 2. Health, Tribal and Media : An Informative Study (Special Reference to Youth Health), Published by Indian Streams Research Journal, ISSN No. 2230-7850, With Impact Factor:3.1560(UIF), Vol-5, Issue-7, (Aug, 2015). 3. Aacharya Mahavir Prasad Dwivedi aur Hindi Navjagran ke sawal (Patrakarita aur Swantrata aandolan ke vishesh sandarbh me), Published by Review of Research, ISSN No. 2249-894X, With Impact Factor:5.7631(UIF), April 2019. 4. Aadiwasi Samaj ke Swasthya ke prati Bhartiya loktantra ka Drishtikon (Ek Aalochnatmak Adhyayan), Published by Review of Research, ISSN No. 2249-894X, With Impact Factor:5.7631(UIF), April 2019. 5. Dayan pratha: Sanskritik kuriti aur Aarthik Tanav, Published by Review of Research, ISSN No. 2249-894X, With Impact Factor:5.7631(UIF), May 2019. (2nd Author)
5.	Ph.D. Music	Performing Arts	1.Dr. Jaya Shahi	Yes	Vocal Music, Hindustani classical Music,Khyaal Singing Style, Voice Culture,Semiclassical and Light Music,Folk Music, etc.	<ol style="list-style-type: none"> 1. Swarotpatti par hone wale manovaigyanik evam adhyatmik prabhavon ka tatvik vivechan, Sthapatyam, 2016 2. Bhartiya parampara dwara prapt kantha swar sambandhit vividh paksho par ek drishti, Vikas Vimarsh, 2015 3. Sangeetopayogi kantha dhvani ki utpatti ka vaigyanik adhaar,Sasvat, 2014 4. Modes of Voice Production involved in speech and singing,Drishiti, 2012 5. Manushyon mein swarotpatti ke karak,Bhairavi, 2011

	Ph.D. Theatre Arts	Performing Arts	2. Dr. Venkata Naresh Burla	Yes	Applied Theatre, Performance Research, Traditional Theatre, Digital Theatre	<ol style="list-style-type: none"> 1. రూపకం - 'సమాహారకళ': ఒకసర్వోచయం (Theatre - Collective Art : An introduction) Published by Journal of Arts, Literary, Culture & Language Study, BHAVAVEENA Vol 17, Issue-3, March (1) 2020. ISSN No 2456-4702. (UGC CARE list Group - 1 Journal Sl.No. 34) 2. Experiments with Tradition: A Case Study of Gopal Ki Duniya Play, published in Ayan – An International Multidisciplinary Refereed Research Journal in July-September Issue, volume-6, No.3. ISSN.2347-4491. (UGC No. 49095). 3. Transforming Stratification in Theatre: A Study of Contemporary Telugu Theatre, published in seminar proceedings on “Performing Arts” by CISDR in 2017 (ISBN: 978- 93-5291-043-4)
6.	Ph.D. English	English Studies	1. Dr. Shreya Bhattacharji Associate Professor	Yes	Postcolonial Studies, especially African, Afro-American, Caribbean, Queer and Women's Writings, Border and Partition Studies, Tribal Studies and Contemporary Literary Theories.	<ol style="list-style-type: none"> 1. Bhattacharji, Shreya: “Foregrounding the Margin: Traditional Value Systems of Lepchas of India and Igbos of Nigeria” in an anthology Performing Identities: Celebrating Indigeneity in the Arts, edited by G. N. Devy et al., Routledge, Taylor & Francis Group, India, UK, 2015. ISBN 978-1-138-79599-0. 2. Bhattacharji, Shreya, “Cartographic Sport/Throttled Stories: Re-reading 1947 India/Pakistan” in an anthology Contested Identities: Literary Negotiations in Time and Place, edited by Roger Nicholson, Claudia Marquis and Gertrud Szamosi, Cambridge Scholars Publishing, UK, 2015. ISBN (10): 1-4438-7846-4, ISBN (13): 978-1-4438-7846-3 3. Bhattacharji, Shreya: “Lesser Known Worlds of Sycorax: Lepchas of India and Igbos of Nigeria” published in Expanding the Frontiers of Comparative Literature (1): A Return to the Transnational Tradition, edited by Sung-Won Cho, Chung-Ang University Press, Seoul, South Korea, 2013. ISBN 978-89-7207-288-1 (set), ISBN 978-89-7207-289-8. 4. Bhattacharji, Shreya: “Decoding the Moves of Colonial Chess: Premchand/Satyajit Ray's <i>ShatranjKeKhiladi</i>” published in the book Filming Fiction: Tagore, Premchand, and Ray, edited by M Asaduddin and Anuradha Ghosh, Oxford University Press, New Delhi, India, 2012. ISBN-13:978-0-19-807593-6, ISBN-10:0-19-807593-6. 5. Bhattacharji, Shreya: “Sex and empire building in the fiction of Chinua Achebe” published in SIMILE (Studies in Media and Information Literacy Education), Vol. 4, Number 4, (November 2004), pages 1-8, University of Toronto Press, ISSN 1496-6603, DOI 10.3138/sim.4.4.005.
			2. Dr. Ranjit Kumar Associate Professor	Yes	Postcolonial Studies, Tribal Studies	<ol style="list-style-type: none"> 1. Interrogating History in Amitav Ghosh's The Glass Palace, pub. UGC listed journal Wisdom Herald, OCT-DEC 2017

					Contemporary Literary Theories. Indian Writings in English (Theatre)	<ol style="list-style-type: none"> 2. Study of Patriarchal Code in Karnad's Nagamandala, pub. In UGC listed journal Parisheelan, Oct-Dec 2017 3. Gender Issues in Viay Tendulkar's Select Plays, pub. In UGC listed journal Universal Review, OCT-DEC 2017, 4. "Narrative from Below in Amitav Ghosh's <i>The Shadow Lines</i>". Pub. in Education Times, APH Publishing Corporation, April 2018 5. Rewriting History in Amitav Ghosh's <i>The Shadow Lines</i>, pub in UGC listed journal Universal Review, OCT-DEC 2018
			3. Dr. Mayank Ranjan Associate Professor	Yes	Film Studies , American Literature, ELT, Eco-Criticism, Diaspora Studies	<ol style="list-style-type: none"> 1. Communication Skills and English Language 2. Jim Corbett: Hunter Author and Legend 3. Problems Faced by Students at Graduate Level: Study in Hindi Speaking States in India through Open and Distance Learning System 4. Kamla Markandaya's Realistic Portrayal of Indian life 5. Practice of Sociolinguistics
			4. Dr. Pragya Shukla Assistant Professor	Yes	Gender and Modernism/Post modernism; Film Studies	<ol style="list-style-type: none"> 1. "Hanif Kureishi's My Son the Fanatic: Anxiety in Assimilation" in South Asian Diasporic Cinema and Theatre published by Rawat Publications. 2. Subverting Positions: Changing Views and Attitudes in Katherine Mansfield's A Cup of Tea published in UGC Listed Journal Dimorian Review, Volume 5, Issue IV 3. Turning Away from the Mythological Women, Etching New Images in Shashi Deshpande's Stone Women published in UGC Listed Contemporary Discourse, Volume 9, Issue I 4. Different Facets of a Modern Seeker: An Attempt to Demystify T.S. Eliot, published in The Creative Launcher, Volume II, Issue VI.
7.	Ph.D. Tibetan Language and Culture	Department of Far East Languages	1. Dr. Konchok Tashi	Yes	Tibetan Language & Literature	<ol style="list-style-type: none"> 1. Tashi, Konchok. (2020). Classical Tibetan Language and Culture in Indian Himalayas. In <i>Kalakaipa (IGNCA Journal of Arts)</i>, ISSN: 2456-8201, Volume-V, Number-1 (Guru Purnima, July 2020), pp. 201-216, UGC CARE listed journal. Indira Gandhi National Centre for the Arts, Delhi. 2. Tashi, Konchok. (2010). The Polysemy of the noun GO 'head' in Ladakhi. In <i>Journal of Indian Linguistics</i> (Refereed journal with ISSN: 0378-0759), Vol 71, Number 1-4, 2010, pp 207-217, UGC CARE listed journal. Linguistics Society of India, Deccan College, Pune. 3. Tashi, Konchok. (2014). Body part terms in Tibetan language: A cognitive perspective. In <i>Anusilana: Research Journal of Indian Culture, Social and Philosophical stream</i> (Refereed journal with ISSN 0973-

						<p>8762), Vol. LVI, pp. 37-49. Banaras Hindu University.UGC approved journal vide journal No. 49319 (under Arts & Humanities).</p> <p>4. Tashi, Konchok. (2013). Perception verbs in Ladakhi: a cognitive approach. In <i>Interdisciplinary Journal of Linguistics (IJL)</i> (Refereed journal with ISSN: 09743421), IJL Vol. (6), pp. 183-200. Dept. of Linguistics, University of Kashmir, Srinagar. UGC approved journal vide journal No. 46974 (under Arts & Humanities).</p> <p>5. Tashi, Konchok. (2014). Polysemy and homonymy in language and linguistics. In <i>Interdisciplinary Journal of Linguistics(IJL)</i> (A Peer-Reviewed Refereed journal with ISSN: 09743421), IJL Vol. (7), pp. 156-169. Dept. of Linguistics, University of Kashmir, Srinagar.UGC approved journal vide journal No. 46974 (under Arts & Humanities).</p>
			2, Kalsang Wangmo	Yes		
8.	Ph.D. Computer Science & Technology	Computer Sciences and Technology	Prof. Subhash Chandra Yadav	Yes	Cyber Security , Database, Machine Learning,	<p>1. A Review on Enhancement of Medical Images, IJICC, (ISSN 2250-2661), Vol-10 / No. 1, Pg.No. 62-69, March 2019.</p> <p>2. Application of Hybrid Clustering Techniques: Subtractive Clustering and Artificial Neural Network Approach, Yadav, R. S. and Yadav, S. C, Pg No: 34-36; CSI Communication (ISSN: 0970-647X) Vol. No.42, Issue No. 5&6; August-September 2018.</p> <p>3. Mobile Phone GPS Tracking System, An International Refereed Journal, Humanity-Science Interface, (ISSN 2394-8248), Vol-3 /Issue –II, Pg.No. 62-69, July-2015.</p> <p>4. Penetration to our Cyberspace: Cyber Crime and Cyber Law, An International Refereed Journal, Ataraxia, (ISSN 2394-4153), Vol-2 /Issue –II, Pg.No. 23-30, Dec-2014.</p> <p>5. Computerized Learning Environment for Higher Education, Yadav, S. C., International Journal of Computer Applications IJCA (ISSN: 09758887), Vol: CTNGC, No. 4, Pg. No. (6-8), 2012. Impact factor is 0.835.</p>
			Dr.Kanojia Sindhuben Babulal	Yes	Wireless Sensor Networks, Cross Layer Design, Manets, Energy Efficient Wireless Communications	<p>1. KanojiaSindhubenBabulal, “Increasing Connectivity using Hybrid Farthest Intermediate Cooperative Cross Layer Design for Wireless Sensor Network”, National Academy of Science Letter, Volume.34, Number.7&8, pp. 265-273 July-August 2011 issue. ISSN 2250-1754[SCI & UGC Approved]</p> <p>2. KanojiaSindhubenBabulal, , “Cross Layer Route Discovery using Farthest Intermediate Link distance Reliability Cost Based for MANETS”, National Academy of Science Letters, Volume.34, Number 5&6, page. 189-197, May-June 2011 issue.ISSN 2250-1754[SCI & UGC Approved]</p>

						<p>3. KanojiaSindhunBabulal, "Cross Layer Energy Efficient Cost Link Based Routing for Wireless Sensor Network", <i>Special Session in IEEE World Congress on Information & Communication Technology, Univeristy of Mumbai, Mumbai, December 11-14, 2011</i> pp 804-809. Available online : www.ieeexplore.ieee.org.doi: 10.1109/WICT.2011.6141350</p> <p>4. KanojiaSindhunBabulal, "Cross Layer Cooperative Clustering for Performance Enhancement in Wireless Sensor Network", <i>In Proceedings of IEEE 2nd International Conference on Current Trends in Technology, NUIcONE, Nirma University, Ahmedabad, December 8-10, 2011</i>. Available online: www.ieeexplore.ieee.org.doi:10.1109/NUIConE.2011.6153265</p> <p>5. KanojiaSindhunBabulal, "Cross Layer Energy Efficient Routing (XLE2R) for Prolonging the lifetime of Wireless Sensor Network" <i>IEEE International Conference on Computer and Communication Technology (ICCCT-2010)</i> , <i>MNNIT Allahabad, September 15 -17, 2010</i>, pp. 70-74, available online : www.ieeexplore.ieee.org, doi: 10.1109/ICCCT.2010.5640385</p>
9.	Ph.D. Chemistry	Chemistry	Prof. Ratan Kumar Dey	Yes	Physical/Material Chemistry	<p>1. Surfaces and Interfaces, 2018, 13, 22 – 32</p> <p>2. J. Environmental Chemical Engineering, 2018, , 6(5), 6231 – 6242.</p> <p>3. Int. J. Of Polymeric Mat and polymeric biomat, 2018, 67(9), 535 – 542</p> <p>4. Chemical Eng. J., 2012, 184, 72 – 81</p> <p>5. J. Solid State Chemistry, 2009, 182(8), 2010 – 2017</p>
			Prof. Arun Kumar Padhy	Yes	Heterocyclic Chemistry & Organic Material Chemistry	<p>1. J Electrochem Soc, 2020, DOI: 10.1149/1945-7111/abcffe;</p> <p>2. Ionics, 2019, 25, 3351-62;</p> <p>3. Ind J Biochem & Biophys, 2018, 55, 7-11;</p> <p>4. RSC Adv, 2014, 4, 8044-49;</p> <p>5. Tett Lett, 2010, 51, 2751-53</p>
			Dr. Soumen Dey	Yes	Sustainable Technologies for Water Treatment (02)	<p>1. Journal of Chemical & Engineering Data, https://doi.org/10.1021/acs.jced.0c00681</p> <p>2. Journal of Chemical & Engineering Data, 65(5), 2819–2829. https://doi.org/10.1021/acs.jced.0c00131</p> <p>3. ACS Omega, 5(31), 19548–19556. https://doi.org/10.1021/acsomega.0c02011</p> <p>4. ACS Omega, 5(27), 16510–16520. https://doi.org/10.1021/acsomega.0c00999</p> <p>5. International Journal of Phytoremediation, 21(12), 1263–1271 https://doi.org/10.1080/15226514.2019.1633252</p>
			Dr. Raj Bahadur Singh	Yes	Synthetic Organic Chemistry	<p>1. <i>J. Nat. Prod.</i> 2016, 79, 2740-</p> <p>2. <i>J. Nat. Prod.</i> 2018, 81, 2111-2114.</p> <p>3. <i>Tetrahedron</i>, 2019, 75, 3605-3608.</p>

						<p>4. <i>Tetrahedron</i>, 75 (2019), 130573</p> <p>5. <i>J. Org. Chem.</i> 2007, 72(26), 10155-10165</p>
			Dr. Partha Ghosh	Yes	Synthetic Organic Chemistry	<p>1. <i>J.l of the American Chemical Society</i> 2007, 129 (9), 2438-2439</p> <p>2. <i>Organic letters</i> 2009; 11 (18), 4140-4142</p> <p>3. <i>ACS medicinal chemistry letters</i> 2009, 1 (5), 189-193</p> <p>4. <i>J.l of the American Chemical Society</i> 2011,133 (38), 14968</p> <p>5. <i>ACS Omega</i> 2019, 4 (5), 8065-8070</p>
			Dr. Sabyasachi Bhunia (00)	No	Organic synthesis /Organometallic Chemistry	<p>1. <i>Adv. Synth. Catal.</i> 2020, 362, 3664– 3708</p> <p>2. <i>Org. Lett.</i> 2012, 14, 5522.</p> <p>3. <i>Angew. Chem. Int. Ed.</i> 2012, 51, 2939.</p> <p>4. <i>J. Am. Chem. Soc.</i> 2008, 130, 16488.</p> <p>5. <i>Angew.Chem. Int. Ed.</i> 2008, 47, 5063.</p>
			Dr. Arvind Lal	Yes	Alternative Fuels (Bio-diesel) & Alternative materials (Conventional as well as composite Materials)	<p>1. JETIR, 2020,, Vol-7 issue-9, PP 1063-1067</p> <p>1. http://doi.one/10.1729/journal.24891</p> <p>2. IJNIET, 2019, Vol-12, Issue-3, PP- 70-75</p> <p>3. JETIR, 2018, Vol- 5,Issue 12, PP 616-621.</p> <p>4. IJETAE, 2013, Vol-3 ,Special Issue 3 PP: 112-118</p> <p>5. IJERT, 2011, Vol-4,Num-5 pp: 521-533,</p>
10.	Ph.D. Life Sciences	Life Sciences	Dr. Hena Firdaus	Yes	Animal Sciences, Cell Biology, Developmental Biology and Toxicological studies in <i>Drosophila</i> model	<p>1. Dubey M, Ain U, Firdaus H* (2020) An insight on <i>Drosophila</i> myogenesis and its assessment techniques. <i>Mol Biol Rep</i>, DOI: 10.1007/s11033-020-06006-0</p> <p>2. Dubey M, Nanda KP, Firdaus H* (2020) Cryodissection and tissue preparation of <i>Drosophila</i> thorax for indirect flight muscle imaging. In: fundamental approaches to screen abnormalities in <i>Drosophila</i>. Monalisa M (Ed.), Springer, NY 65-76. DOI: 10.1007/978-1-4939-9756-5_6</p> <p>3. Nanda KP, Kumari C, Dubey M, Firdaus H*. (2019) Chronic lead (Pb) exposure results in diminished hemocyte count and increased susceptibility to bacterial infection in <i>Drosophila melanogaster</i>. <i>Chemosphere</i>, 236, 124349. DOI: 10.1016/j.chemosphere.2019.124349</p> <p>4. Firdaus H, Mohan J, Naz S et al. (2015) A cis-regulatory mutation in Troponin-I of <i>Drosophila</i> reveals the importance of proper stoichiometry of structural proteins during muscle assembly. <i>Genetics</i>, 200 (1), 149-165. DOI: 10.1534/genetics.115.175604</p>

			Dr. Pallavi Sharma	Yes	Plant Physiology and Biochemistry	<ol style="list-style-type: none"> 1. Singh Rajani, Misra AN, Sharma P*(2020) Differential responses of thiol metabolism and genes involved in arsenic detoxification in tolerant and sensitive genotypes of bioenergy crop <i>Ricinus communis</i>. Protoplasmadoi.org/10.1007/s00709-020-01577-y 2. Singh R., Jha AB, Misra AN, Sharma P* (2020) Entrapment of enzyme in the presence of proline: effective approach to enhance activity and stability of horseradish peroxidase.3Biotech,10(4),155 3. Singh Rajni, Jha AB, Misra AN, Sharma P* (2019) Differential responses of growth, photosynthesis, oxidative stress, metals accumulation and NRAMP genes in contrasting <i>Ricinus communis</i> genotypes under arsenic stress. Environmental Science and Pollution Research, 26(30), 31166-31177 and 2019 4. Sharma, P., Gangola, M.P., Huang, C., Randy Kutcher, H., Seedhabadee G. and Chibbar, R.N. (2018) Single Nucleotide Polymorphisms (SNPs) in B-Genome specific UDP-Glucosyl Transferases associated with Fusarium Head Blight Resistance and reduced deoxynivalenol accumulation in wheat grains.Phytopathology,108(1),124-132. 5. Anjum, N. A*, Sharma, P.*, Gill, S. S., Hasanuzzaman et al. (2016). Catalase and ascorbate peroxidase-representative H2O2-detoxifying heme enzymes in plants. Environmental Science and Pollution Research, 23(19), 19002-19029.
11.	Ph.D. Geoinformatics	Geoinformatics	Professor A.C. Pandey	Yes	Water Resources, forest and wildlife, Glaciology, Disaster Management	<ol style="list-style-type: none"> 1. Tripathi G, B.R. Parida and A.C. Pandey (2019)Spatio-temporal rainfall variability and flood prognosis analysis using satellite data over North Bihar during the August 2017 flood event, Hydrology, 6(2), 38, 1-20. [ISSN: 2306-5338] (Scopus Cite-Score 3.2) (UGC-CARE Group A) 2. B. Kumari, A.C. Pandey, and Amit Kumar(2020) Remote Sensing approach to evaluate anthropogenic influences on Forest Cover of Palamau Tiger Reserve, Eastern India. Ecological Processes. 9(17): 1-11. https://doi.org/10.1186/s13717-020-0219-z (Web of Science Indexed) 3. AnamikaShaliniTirkey,MiliGhosh, A.C. Pandey, Shashank Shekhar (2017) Assessment of climate extremes and its long term spatial variability over the Jharkhand state of India. The Egyptian Journal of Remote Sensing and Space Science. http://dx.doi.org/10.1016/j.ejrs.2016.12.007. 4. Tauseef Ahmad, Arvind Chandra Pandey, Amit Kumar (2018). Flood hazard vulnerability assessment in Kashmir Valley, India using, geospatial approach. Jour. Phy&Chem of the Earth, Vol 105, 59-71. 5. BasheerAhammed, K. K., A. C.Pandey(2019). Shoreline Morphology Changes along the Eastern Coast of India, Andhra Pradesh by Using

					Geospatial Technology, Journal of Coastal Conservation, 23(2).331-353. doi: 10.1007/s11852-018-0662-5
		Dr. Kanhaiya Lal	Yes	Land Degradation, Climate Change, Agriculture, Forestry	<ol style="list-style-type: none"> 1. K Lal, D Kumar, A Kumar (2017) Spatio-temporal landscape modeling of urban growth patterns in Dhanbad Urban Agglomeration, India using geoinformatics techniques, The Egyptian journal of remote sensing and space science, 20 (1), 91-102 2. Abhinav Verma, Amit Kumar and Kanhaiya Lal (2019) Kharif crop characterization using combination of SAR and MSI Optical Sentinel Satellite datasets, J. Earth Syst. Sci. 128 230.
		Dr. Amit Kumar	Yes	Urban ecology and forestry, Disaster risk-resilience, and climate change implications, AI-ML, Geoinformatics	<ol style="list-style-type: none"> 1. Preet Lal, A. Kumar, S. Kumar, S. Kumari, P. Saikia, A. Dayanandan, D. Adhikari, M.L. Khan (2020) The dark cloud with a silver lining: Assessing the impact of the SARS COVID-19 pandemic on the global environment. Science of the Total Environment. 732: 139297; IF: 6.551. 2. A. Kumar, Anish Kumar, P. Saikia, D. Adhikari, G. Ravikant, M.L. Khan (2020) Ecological Niche Modelling for Assessing Potential Distribution of Pterocarpus marsupium Roxb. in Ranchi, East India. Ecological Research. 35: 1095-1105. IF: 1.546. 3. Pratyush Tripathy and A. Kumar (2019) Monitoring and modelling of spatio-temporal urban growth of Delhi, India using cellular automata and geoinformatics. Cities, 90; 52-63. Elsevier. IF: 3.853, (WoSQ1). 4. Diksha and A. Kumar (2017) Analysing urban sprawl and land consumption patterns in major capital cities in the Himalayan region using Geoinformatics. Applied Geography, 89C, 112-123. Elsevier. IF: 3.068, (WoSQ1). 5. A. Kumar, A.C. Pandey and A.T. Jeyaseelan (2012) Built-up and Vegetation Extraction and Density Mapping using WorldView-II. Geocarto International, 27(7):557-568. IF: 2.365; Citation: 13.
		Dr. Bikash Ranjan Parida	No	Vegetation-Remote Sensing, Soil-Water-Vegetation-Climate Interactions, Drought/Flood Monitoring & Forecasting, Land Carbon and Nutrients Cycling Modelling	<ol style="list-style-type: none"> 1. A.K. Ranjan and B.R. Parida (2020). Predicting Paddy Yield at Spatial Scale using Optical and SAR based Satellite Data in Conjunction with Field-based CCE data. International J. of Remote Sensing. [IF 2.976] [ISSN: 0143-1161] 2. V. Anand, Oinam B, B.R. Parida (2020). Uncertainty in hydrological analysis using multi-GCM predictions and multi-parameters under RCP 2.6 and 8.5 scenarios in Manipur River basin, India. J. Of Earth System Science, 129 (223), 1-15. [IF 1.646] [ISSN: 0253-4126] 3. B.R. Parida, S. Bar, N. Singh, B. Oinam, A.C. Pandey, and M. Kumar (2020). A short-term decline in anthropogenic emission of CO2 in India due to COVID-19 confinement. Progress in Physical Geography: Earth and Environment, 1-17. DOI: 10.1177/0309133320966741. [IF 4.777] [ISSN: 1477-0296]

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			Dr. Chandra Shekhar Dwivedi	Yes	Coastal Studies, Water Resources	<p>1. Dwivedi. C.S.(2017) Disparities in Agricultural Productivity in Ambedkarnagar District, <i>International Journal Reviews and Research in Social Science</i>, Vol.5 (3) July- September 2017 pp. 147-151, ISSN: 2347-5145 (UGC Journal NO.41355)</p> <p>2. Dwivedi. C.S. (2017) Infant Population and Sex Ratio in Ambedkarnagar District, <i>International Journal of Advance in Social Science</i> Vol.5 (3).July-September 2017, pp.132-139., ISSN 2347-5153 (UGC Journal NO.45784)</p> <p>3. Dwivedi. C.S.(2016) Spatial Variation in Literacy : A Case Study of Sample Village, Ambedkarnagar District, <i>Earth Surface Review</i>, Vol.7, No.1 ISSN 2347-5153 (UGC Journal NO.47176)</p> <p>4. Dwivedi. C.S.(2016) Changing pattern of Population Density: A case Study of Sample Village, Ambedkarnagar District, <i>International Journal of Advance in Social Science</i>, Vol. 04, Issue 02 (April- June) 2016, pp.96-102, ISSN 2347-5153 (UGC Journal NO.45784)</p> <p>5. Dwivedi. C.S.(2016) Change in landuse Pattern in Sample Village, Ambedkarnagar District, <i>Research Journal of Humanity and Social Science</i>, Vol. 07, Issue 02 (April- June) 2016 pp.136-145, ISSN 0975-6795 (UGC Journal NO.46775)</p>
12.	Department of Education	Education	Dr. Vimal Kishor	Yes		Educational Measurement and Evaluation, Teacher Education and Socio-Psycho Dimensions of Education, Tribal Education
			Dr. Shashi Singh	Yes		Educational Measurement & Evaluation, Educational Psychology, Distance Education, Teaching of Mathematics
			Dr. Manvi Yadav	Yes		Gender Education, Special Education, and Pedagogy of Science
			Dr. Neera Gautam	Yes		Sociology of Education. Teaching of social studies
			Dr. Manohar Kumar Das	Yes		Information and Communication Technology (Education), Educational Technology, Educational Administration and Management, Pedagogy of Physical Science
			Dr. Shilpy Raaj	No		English Language Teaching, Curriculum Studies`

13.	Ph.D. Hindi	Hindi	Dr. Upendra Kumar	Yes	Modern Hindi Literature, Sociology of Literature, Comparative	<ol style="list-style-type: none"> 1. Satyagrahki Avdharnaaur Premchandka Upanyas 2. Samajshastriya Adhyayan Drishti aurKarmbhumiUpanyas 3. Gandhi kaSatyagrahAndolanaur Hindi Upanyas 4. Media aurSanskritikaAntarsambandh 5. Manavavadaur Hindi Kavita
			Dr. Ravi Ranjan Kumar	Yes	Hindi Kahani	<ol style="list-style-type: none"> 1. GyanranjanaurUnkiKahaniGhanta 2. KathashilpkeJadugarGyanranjan 3. GyanranjankiKahaniyon men Madhyavarg 4. Bahirgaman 5. GyanranjankiJeevandrishti
			Dr. Jagdish Saurabh	Yes	Hindi Kavita, Katha Sahitya	<ol style="list-style-type: none"> 1. Ghumakkad Shastra men Rahul Sankrityayanke Yatrasambandhi Vicharonka Mulyankan 2. Sahityaaur Sanskriti 3. Rajasthani Ranivas men Samanti Samajaur Striyonki Dasha 4. Bhartiyabanam Pashchatya Sanskriti 5. Rahul Sankrityayanke Kahani Sangrah Volga se Ganga men Matrisattatmak Samajka Swaroop.
14.	Ph.D. Contemporary and Tribal Customary Law	Contemporary and Tribal Customary Law	Dr. Walter Beck	Yes	Tribal Customary Law / Tribal Governance / Tribal Education	<ol style="list-style-type: none"> 1. A Study on Tribal Folksongs of Jharkhand, India; The Oriental Anthropologist ; Volume - 18 ; Issue - 02 ; Page : 273-296 2. The Folksongs of Jharkhand : An Intangible Cultural Heritage of Tribal India; International Journal of Humanities and Social Sciences, Volume - 11, Issue - 03, Page : 763-766.
			Dr. Debendra Kumar Biswal	Yes	Tribal Rights / Tribal Health	<ol style="list-style-type: none"> 1. Ecology, Health Behaviour and Development of Small Communities : An Anthropological Analysis; International Journal of Development Research ; Volume - 05 ; Issue - 09 ; Page : 5562-5565 2. Chapter Title - Children in Between : State, Children and Naxalite Movement in India; Book - Securing Childhood : Challenges, Opportunities and Strategies; ISBN : 81-904112-0-9; Chapter - 11, Publisher - Xavier Institute of Social Service (XISS), Page : 130-138
			Dr. Rashwet Shrinkhal	Yes	International Law / Legal Theory relating to tribal/indigenous people(s)	<ol style="list-style-type: none"> 1. Evolution of Indigenous Rights Under International Law: Analysis from TWAIL Perspective; The Oriental Anthropologist ; Volume - 19 ; Issue - 01; Page : 07-24 2. Tribes as 'Indigenous Peoples': Revisiting Indigeneity Debate in India; The Oriental Anthropologist; Volume - 17 ; Issue - 02 ; Page : 213-235

			Dr. Ashok nimesh	Yes	Human Rights	<ol style="list-style-type: none"> 1. Emancipation of Women under the Cultural Matrix, Ascent International Journal for Research Analysis ; Volume - 03 ; Issue - 01 2. Globalization, Women Trafficking and The Emergence of Global Prostitution, Inspira- Journal of Modern Management & Entrepreneurship ; Volume - 08 ; Issue - 03.
15.	Department of Physics		Prof. Sarang Medhekar	Yes	Photonics, Nanophotonics, All-optical logic devices, Optical solitons	<ol style="list-style-type: none"> 1. All optical NOR and NAND gates using four circular cavities created in 2D nonlinear photonic crystal, Alok Kumar and SarangMedhekar, Optics& Laser Technology,(2020) vol 123, p-105910. 2. A versatile optical junction using photonic band-gap guidance and self-collimation, Man Mohan Gupta and SarangMedhekar, Applied Physics Letters 105, 131104 (2014); doi: 10.1063/1.4896622 3. All-optical NOT and AND gates using counter propagating beams in nonlinear Mach-Zehnder interferometer made of photonic crystal waveguides, Man Mohan Gupta, Sarang Medhekar, Optik-International Journal for Light and Electron Optics 127 (2016) 1221-1228 4. "All-optical Passive Transistor" S Medhekar and RamkrishnaSarkar, Optics Letters, vol. 30, No. 8, April 2005, pp-887-889. 5. "Self tapering of elliptic beams in elliptic core nonlinear fibers", S Medhekar, S. Konar and M.S.Sodha, Optics Letters, Vol.20, No.21, p-2192 (1995).
			Dr. Dharmendra Singh	Yes	Experimental Nuclear Physics,	<ol style="list-style-type: none"> 1. D. Singh, Sneha B. Linda, Pankaj K. Giri, AmritrajMahato, R. Tripathi, Harish Kumar, M. Afzal Ansari, N.P.M.Sathik, Rahbar Ali, Rakesh Kumar, S. Muralithar, R.P. Singh, "Spin distribution of evaporation residues formed in complete and incomplete fusion in $160 + 154\text{Sm}$ system", Physics Letters B 774 (2017) 7-13. 2. D. Singh,Pankaj K. Giri,AmritrajMahato, Sneha B. Linda, R. Tripathi,Harish Kumar, M. Afzal Ansari, N.P.M. Sathik, Rahbar Ali, R. Kumar,S. Muralitharand R. P. Singh, "Probing incomplete fusion dynamics and role of the projectile deformation in $19\text{F} + 154\text{Sm}$ system", European Physical Journal A 55 (2019) 164. 3. Pankaj K. Giri, AmritrajMahato, D. Singh, Sneha B. Linda, Harish Kumar, Suhail A. Tali, M. Afzal Ansari, R. Kumar, S. Muralithar, and R. P. Singh, "Examination of break-up fusion in the $160 + 148\text{Nd}$ system through measurements of forward recoil range distributions and angular distributions", Physical Review C 100 (2019) 054604 4. Pankaj K. Giri, D. Singh, AmritrajMahato, Sneha B. Linda, Harish Kumar, Suhail A. Tali, SiddharthParasari, Asif Ali, M. Afzal Ansari, RakeshDubey, R. Kumar, S. Muralithar, and R. P. Singh,"Systematic study of low-energy

					<p>incomplete-fusion dynamics in the $160 + 148\text{Nd}$ system: Role of target deformation", Physical Review C 100 (2019) 024621.</p> <p>5. AmritrajMahato, D Singh, Pankaj K Giri, Sneha B Linda, Harish Kumar, Suhail A Tali, M Afzal Ansari, R Kumar, S Muralithar, RP Singh, "Probing of incomplete fusion dynamics in $14\text{N}+124\text{Sn}$ system and its correlation with various entrance channel effects", EuropeanPhysical Journal A 56 (2020) 131.</p>
		Dr Vineet Kumar Agotiya	Yes	High Energy Physics	<p>1. Equation of states and charmonium suppression in Heavy ion collisions, Advances in High Energy Physics, 9574136 (2019)</p> <p>2. Dissociation of heavy quarkonium in hot QCD medium in a quasiparticle model, Phys. Rev. D, 94, 094006, (2016)</p> <p>3. Bottomonium suppression in nucleus nucleus collisions using effective fugacity quasi-particle model, High Energy Physics, 8965413(2018)</p> <p>4. Dissociation of heavy quarkonia in an anisotropic hot QCD medium in a quasiparticle Model, Phys. Rev. D, 97, 094033(2018)</p> <p>5. Dissociation of $1P$ states in hot QCD medium using quasi-Particle Model, PEPAN Letters, 15, 2, (2018)</p>
		Dr. Avijit Ghosh	Yes	Experimental Condensed Matter Physics	<p>1. T. Patri, J. P. Kumar, A. Ghosh, and P. D. Babu, (2020), Tunable Polarization and Enhanced Multiferroic Response of W/Co co-doped $\text{Bi}_4\text{LaFeTi}_3\text{O}_{15}$ Aurivillius Ceramics, Journal of Applied Physics, Vol. 128, No.15, pp. 154102 (1-17).</p> <p>2. D. S. Saini, A.Ghosh, S. Tripathy, A. Kumar, S. K. Sharma, N. Kumar, S. Majumdar, and D. Bhattacharya, (2020), A Promising Proton Conducting Electrolyte $\text{BaZr}_{1-x}\text{HoxO}_{3-\delta}$ ($0.05 \leq x \leq 0.2$) Ceramics for Intermediate Temperature Solid Oxide Fuel Cells, Scientific Reports, Vol.10, No.1, pp. 3461 (1-12).</p> <p>3. C. Rodrigues, A. Gomes, A. Ghosh, A. Pereira, and J. Ventura, (2019), Power-Generating Footwear Based on a Triboelectric-Electromagnetic-Piezoelectric Hybrid Nanogenerator, Nano Energy, Vol.62, pp.660-666.</p> <p>4. P. Kundu, A. Ghosh, S. Das, and T. K. Bhattacharyya, (2012), Compatibility Study of Thin Passivation Layers with Hydrazine for Silicon-based MEMS Microthruster, Journal of Physics D: Applied Physics, Vol.45 No.9, pp.095302 (1-9).</p> <p>5. Ghosh, and R. N. P. Choudhary, (2009), Microstructural Aspects for Defect Emission and E2high Phonon Mode of ZnO Thin Films, Journal of Applied Physics, Vol.105, No.12, pp.124906 (1-6).</p>

			Dr. Bhupendra Singh	Yes	Molecular Collision, Mass- and X-Ray Spectroscopy, Laser Higher Harmonic Generation	<ol style="list-style-type: none"> 1. Measurement of angular distributions of K X-ray intensity of Ti and Cu thick targets following impact of 10-25keV electrons, B Singh, S Kumar, S Prajapati, B K Singh, X Llovet and R Shanker, Journal of Electron Spectroscopy and Related Phenomena, ISSN: 0368-2048, (2017), 216, 17, DOI: 10.1016/j.elspec.2017.02.002. (Impact factor: 1.468). 2. Measurement of the angular distribution of thick target bremsstrahlung produced by 10-25keV electrons incident on Ti and Cu targets, B Singh, S Kumar, S Prajapati, B K Singh, X Llovet and R Shanker, Radiation Physics and Chemistry, ISSN: 0969-806X, (2018), 150, 82, DOI: 10.1016/j.radphyschem.2018.04.027. (Impact factor: 2.110). 3. Experimental evidence of molecular coherence effects in bremsstrahlung radiation processes, S Prajapati, B Singh, S Kumar, B K Singh and R Shanker, Journal of physics B, ISSN: 0953-4075, (2019), 52, 145201, DOI:10.1088/1361-6455/ab22f1. (Impact factor: 2.020). 4. Measurement of ion species produced due to bombardment of 450 eV N₂⁺ ions with hydrocarbons-covered surface of tungsten: Formation of tungsten nitride, S Kumar, P Bhatt, S Prajapati, B Singh, B K Singh and R Shanker, Nuclear Instruments and Methods in Physics Research B, ISSN: 0168-583X, (2016), 380, 50, DOI: 10.1016/j.nimb.2016.05.004. (Impact factor: 1.270). 5. Measurement of the angular distribution of thick target bremsstrahlung produced by 10-25keV electrons incident on Ti and Cu targets, B Singh, S Kumar, S Prajapati, B K Singh, X Llovet and R Shanker, Radiation Physics and Chemistry, ISSN: 0969-806X, (2018), 150, 82, DOI: 10.1016/j.radphyschem.2018.04.027. (Impact factor: 2.110)
			Dr. Jayant Kumar Baral	Yes	Device Physics; Hybrid Solar Cells; Floating Gate Nonvolatile Memories; Charge Transport in Nanoelectronic Devices; Materials Science	<ol style="list-style-type: none"> 1. J. K. Baral, A. Sharma, D. Wang, D. Ma, V. -V. Truong, & R. Izquierdo, "Enhanced Photovoltaic Conversion Efficiency in Bulk Heterojunction Solar Cells upon Incorporating Nanohybridized PbS Quantum Dots/Multiwall Carbon Nanotubes", Euro. Phys. J. - Appl. Phys. 65 (01), 10201, (2014). 2. M. R. Beaulieu §, J. K. Baral §, N. R. Hendricks, Y. Tang, A. L. Briseño, & J. J. Watkins, "Solution Processable High Dielectric Constant (k) Nanocomposites based on ZrO₂ Nanoparticles for Flexible Organic Transistors", ACS - Appl. Materials & Interfaces (AMI) 05 (24), 13096-13103, (2013). § Equal Contribution. 3. J. K. Baral, R. Izquierdo, M. Packirisamy, & V. -V. Truong, "Improved Polymer Solar Cell Performance by Engineering of Cathode Interface", Euro. Phys. J. - Appl. Phys. 55 (03), 30202, (2011). 4. D. Wang, J. K. Baral, H. Zhao, B. A. Gonfa, V. -V. Truong, M. A. Elkhakani, R. Izquierdo, & D. Ma, "Controlled Fabrication of PbS Quantum-

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16	Ph.D. Environmental Sciences	Environmental Sciences	Prof. Manoj Kumar	Yes	Atmospheric Sciences, Land Surface process, Agrometeorology	<ol style="list-style-type: none"> Aditya Kumar Dhuria, Piyush Srivastava, Maithili Sharan, Manoj Kumar (2020). On stability correction functions over the Indian region under stable conditions. <i>Meteorological Applications</i>, Royal Met. Soc., DOI: Meteorol Appl. 2020;27:e1880. IF: 1.411. Piyush Srivastava, Maithili Sharan & Manoj Kumar (2019). Development of observation-based parameterizations of standard deviations of wind velocity fluctuations over an Indian region. <i>Theoretical and Applied Climatology</i>, https://doi.org/10.1007/s00704-019-02999-2, Springer Nature, September 2019. IF: 2.433. Poulomi Chakravarty and Manoj Kumar (2020). Trend Analysis and ARIMA Modeling to Assess Meteorological and Surface Parameters In Ranchi, India During Pre-Monsoon Months. <i>GIS Business</i>, ISSN: 1430-3663Vol-15-Issue-3-February-2020. Latha R., Murthy B.S., Lipi K., Srivastava Manoj K., Kumar Manoj (2017). Absorbing aerosols, possible implication to crop yield - a comparison between IGB stations. <i>Aerosol and Air Quality Research</i>, 2017, 17(3), 693-705. IF: 2.83. Shashank Shree and Manoj Kumar (2019). Analysis of seasonal and annual rainfall trends for Ranchi district, Jharkhand, India. <i>Environmental Earth Sciences</i> (2018) 77:693 https://doi.org/10.1007/s12665-018-7884-6, Springerlink. IF: 1.765.
			Dr. Purabi Saikia	Yes	Plant Ecology, Plant-Soil Interaction, Biodiversity Conservation Ecological Restoration	<ol style="list-style-type: none"> Kumar, R., Saikia, P.* (2020). Population structure and regeneration status of <i>Shorearobusta</i> and associated trees in Sal forests of Ranchi, Eastern India. <i>Tropical Ecology</i> (in press): 1-18. Kumar, A., Kumar, Anish, Adhikari, D., Ravikanth, G., Saikia, P.*, Khan, M.L. (2020). Ecological Niche Modelling for Assessing Potential Distribution of <i>Pterocarpus marsupium</i> Roxb. In Ranchi, Eastern India. <i>Ecological Research</i> 35(6): 1095-1105. Kumar, R., Saikia, P.* (2020). Floristic analysis and dominance pattern of a Sal (<i>Shorearobusta</i> C. F. Gaertn.) Forests of Ranchi, Jharkhand, Eastern India. <i>Journal of Forestry Research</i> 31(2): 415-427.

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			Dr. Bhaskar Singh	Yes	<p>Bioenergy,</p> <p>Pollution Remediation,</p> <p>Rain water harvesting</p>	<p>1. Bharti R, Guldhe A, Kumar D, Singh B. (2020). Solar irradiation assisted synthesis of biodiesel from waste cooking oil using calcium oxide derived from chicken eggshell. <i>Fuel</i>. (In Press) https://doi.org/10.1016/j.fuel.2020.117778 Impact Factor: 5.128</p> <p>2. Bharti R, Singh B. 2020. Green tea (<i>Camellia assamica</i>) extract as an antioxidant additive to enhance the oxidation stability of biodiesel synthesized from waste cooking oil. <i>Fuel</i> 262, 116658. Impact Factor: 5.128 Cited By in Scopus (8)</p> <p>3. Kumar D, Singh B. 2020. Effect of winterization and plant phenolic-additives on the cold-flow properties and oxidative stability of karanja biodiesel. <i>Fuel</i> 262, 116631. Impact Factor: 5.128 Cited By in Scopus (1)</p> <p>4. Bharti P, Singh B, Dey RK. 2019. Process optimization of biodiesel production catalyzed by CaO nanocatalyst using response surface methodology. <i>Journal of Nanostructure in Chemistry</i> 9, 269-280. Impact Factor: 4.077</p> <p>5. Kumar D, Singh B. 2019. BaZrO₃ and Cs-BaZrO₃ catalysed transesterification of <i>Millettia pinnata</i> oil and optimization of reaction variables by response surface Box-Behnken design. <i>Renewable Energy</i> 133, 411-421. Impact Factor: 4.900 Cited By in Scopus (2)</p>
			Dr. Nirmali Bordoloi	Yes	<p>Agricultural greenhouse gas emission and mitigation,</p> <p>Environmental soil science and Carbon sequestration in agricultural soil</p>	<p>1. Bordoloi, N., Baruah, K.K., Devi, J. (2020). Nitrous Oxide (N₂O) Estimation from Tropical Rice Paddy Under the Influence of Growth-Regulating Compounds. <i>International Journal of Environmental Research</i>. https://doi.org/10.1007/s41742-020-00257-2.</p> <p>2. Bordoloi, N., Baruah, K.K., Hazarika, B. (2020). Fertilizer management through coated urea to mitigate greenhouse gas (N₂O) emission and improve soil quality in agroclimatic zone of North-East India. <i>Environmental Science and Pollution Research</i>. 27,11919-11931.</p> <p>3. Bordoloi, N., Baruah, K.K., Bhattacharyya, P., and Gupta, P.K. (2019). Impact of nitrogen fertilization and tillage practices on nitrous oxide</p>

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			Dr. Kuldeep Baudh	No	Phytoremediation and Sustainable Agriculture	<p>1. Tiwari, Jaya, Ma, Ying, Baudh, Kuldeep. 2020. Arbuscular mycorrhizal fungi: an ecological accelerator of phytoremediation of metal contaminated soils. Archives of Agronomy and Soil Science. https://doi.org/10.1080/03650340.2020.1829599</p> <p>2. Gautam, Alok Sagar, Nihillesh, Kumar Dilwaliya, Srivastava, Ayushi, Kumar, Sanjeev, Baudh, Kuldeep, Singh, Devendraa, Shah, M.A., Singh, Karan, Gautam, Sneha. 2020. Temporary reduction in air pollution due to anthropogenic activity switch-off during COVID-19 lockdown in northern parts of India. Environment, Development and Sustainability. https://doi.org/10.1007/s10668-020-00994-6.</p> <p>3. Srivastava, Sudhakar, Kumar, Amit, Baudh, Kuldeep, Gautam, Alok Sagar, Kumar, Sanjeev. 2020. 21-Day Lockdown in India Dramatically Reduced Air Pollution Indices in Lucknow and New Delhi, India. Bulletin of Environmental Contamination and Toxicology. https://doi.org/10.1007/s00128-020-02895-w.</p> <p>4. Roy, Sayantee, Gupta, Sanjay Kumar, Prakash Jai, Habib, Gazala, Baudh, Kuldeep, Nasr, Mahmoud (2019) Ecological and human health risk assessment of heavy metal contamination in road dust in the National Capital Territory (NCT) of Delhi, India. Environmental Science and Pollution Research https://doi.org/10.1007/s11356-019-06216-5.</p> <p>5. Neha, Kumar D., Shukla P., Kumar S., Baudh K., Tiwari J., Dwivedi N., Barman S.C., Singh D. P., Kumar N. 2017. Metal distribution in the sediments, water and naturally occurring macrophytes in the river Gomti, Lucknow, Uttar Pradesh, India. Current Science, 113(8), 1578-1585.</p>
17	Ph.D. Commerce	Commerce & Financial Studies	Dr. Kriti Bhaswar Singh	Yes	Accounting & Finance	<p>1. Singh, K.B. & Pareek, S. (2020). Impact of CRR on Loan Portfolio of Bank: Case of Bank of Bhutan Limited. Test Engineering & Management. Vol. 83 (May-June 2020), 16081-16086 (Scopus listed: ISSN: 0193-4120)</p>

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			Dr. Bateshwar Singh	Yes	Accounting & Finance and General Management	<ol style="list-style-type: none"> 1. Singh, B (2018). Role of Regional Rural Banks in India's New Differentiated Banking Design: Competition from the New Entrant Small Finance, Mudra and Payment Banks, Uttaranchal Business Review (ISSN 2277-1816), Vol-8, Issue-1 2. Singh, B. (2011). IFRS is Next Accounting Revolution, e- SrujanThe journal of Innovative Thinkers (ISSN 2231-4539), 28-32 3. Singh, B. (2010). Debt Crises in Europe and its impact on Indian Economy, CGC- Management Review (ISSN No-2249-5401), 1-13 4. Singh, B.(2007).Banking sector reform and performance of Indian banking a comparative analysis of public, private and foreign banks, MM University Journal of Management Practices (ISSN 0974-7257), Vol-1, Issue 1, 39-44 5. Singh, B. (2012). Capital Structure Decisions: A study on Leverage and Profitability of Infrastructure Companies in India, International Journal of Commerce & Accounting Research (ISSN 2277-2146), Vol-1 Issue-1, 18-25
			Dr. Ajay Pratap Yadav	Yes	Finance	<ol style="list-style-type: none"> 1. A Comparative Study on Investor's Perception: Public Sector Mutual Funds and Private Sector Mutual Funds, International journal of Business Economics and Management Research (IJBEMR), Volume 02, Issue 4, Page No: 252-265, ISSN: 2229-4848, Year-2011. 2. Managing Sustainable Growth Rate: A Case Study on Tata Motors and Maruti Suzuki, Asia Pacific Finance and Accounting Review, Vol: 01 No: 4, Page:95-110, P-ISSN 2278-1838 E-ISSN 2319-7218 Year-2013, Published by Asia Pacific Institute of Management, New Delhi. 3. Determinants of Return on Equity: A Comparative Study of Tata Motors and Maruti Suzuki, Indian Journal of Commerce, Vol. 67 No.3, Page: 35-

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			Dr. Pranay Parashar	Yes	Accounting & Finance	<p>1. Impact of Digitization on Mutual Fund Services in India - SSRN-id3309277 – available on SSRN Elsevier.</p> <p>2. A Study on Perceptions of Advisors and Investors on Innovations in Indian Mutual Fund Industry with Special Reference to Reliance MF - ATM Card and Arbitrage Funds - Published in Volume 5 Issue 3 (September 2012) bearing ISSN 0974-438X - Pacific Business Review International</p> <p>3. Assessing Financial Health of Select Cement Companies in India from an Investment Perspective (2012-2017) - Published in Volume VIII Issue II (July-December 2017) bearing ISSN 0975-9654 - Acuitas – The Journal of Management Research</p> <p>4. Make in India via Make in Maharashtra-Vidarbha-Nagpur : An Investor's Dilemma - Published in Volume VII Issue II (July-December 2016) bearing ISSN 0975-9654 - Acuitas – The Journal of Management Research</p> <p>5. An evaluation of the framework governing Credit Derivatives in India: Case of Credit Default Swaps - Published in Volume IX Issue I (Jan -Jun 2018) bearing ISSN 0975-9654 - Acuitas – The Journal of Management Research</p>
18	Ph.D. Mathematics	Mathematics	Dr. P. K. Parida	Yes	Numerical Analysis, Numerical Functional Analysis, Solution of non-linear equations in generalized Banach spaces and in Riemannian manifold,	<p>1. ChandniKumari and P. K. Parida, Convergence theorems of a new multiparametric family of Newton-like method in Banach space, Accepted International Journal of Nonlinear Analysis and Applications.</p> <p>2. Shwet Nisha and P. K. Parida, Super-Halley method under majorant conditions in Banach spaces, CUBO-A Mathematical Journal, 22(1)(2020)55-70.</p> <p>3. Shwet Nisha, P. K. Parida and ChandniKumari, Convergence of a continuation method under majorant conditions, Korean J. Math., 27(4) (2019)1005-1025.</p> <p>4. Himanshu Kumar and P. K. Parida, On Semilocal convergence of Two step Kurchatov method, International Journal of Computer Mathematics, 96(8)(2019)1548-1566.</p>

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			Dr. J. Tanti	No	Algebra, Number Theory	<ol style="list-style-type: none"> 1. Jagmohan Tanti and R. Thangadurai, Distribution of residues and primitive roots, Proceedings - Mathematical Sciences, <i>Indian Academy of Sciences</i>, Vol. 123, No. 2, (2013) 203-211. 2. R. S. Kulkarni and J. Tanti, Space of invariant bilinear forms, Proceedings-Mathematical Sciences, <i>Indian Academy of Sciences</i>, Vol. 128, No. 4, (2018) 47-68. 3. Shikha Singh and J. Tanti, Hybrid mean value of $2k$-th power inversion of L-functions and general quartic Gauss sums, Proceedings-Mathematical Sciences, <i>Indian Academy of Sciences</i>, https://doi.org/10.1007/s12044-018-0460-x. 4. S. A. Katre and J. Tanti, Euler's criterion for eleventh power nonresidues, Proceedings-Mathematical Sciences, <i>Indian Academy of Sciences</i>, https://doi.org/10.1007/s12044-019-0482-z. 5. Jagmohan Tanti, Euler's criterion of prime order in PID case, <i>ActaArithmetica</i>, 192.3 (2020), 259-265.
			Dr.Hrishikesh Mahato	Yes	Discrete Mathematics, Number Theory	<ol style="list-style-type: none"> 1. Kalika Prasad and HrishikeshMahato; "Cryptography using generalized Fibonacci matrices withAffine-Hill cipher" accepted for publication in the Journal ofDiscrete Mathematical Sciences & Cryptography. 2. Naseer Ahmad Malik andHrishikeshMahato"A NEW APPROACH TO GOOD MATRICES" accepted for Publication in journal, "The Mathematics Student" 3. Naseer Ahmad Malik andHrishikeshMahato;YatesQuaternary ComplexHadamardMatrix: International Journal of Mathematics Trends and Technology, Volume-50Number-5, 2017. 4. K. C. Prasad, HrishikeshMahato and Sudhir Mishra; A New Point in Lagrange Spectrum: International Journal of Number Theory; Vol-09, No.02 pp 393-403 (2013) 5. HrishikeshMahato, On Existence of Williamson symmetric circulant Matrices, Bulletin of the Institute of Mathematics Academia Sinica (New Series) Vol. 6 (2011), No. 1, pp. 27-39
			Dr.Jitendra Kumar	No	Applied Mathematics/ Differential Equations/ Astrophysics	<ol style="list-style-type: none"> 1. J. Kumar, SK Maurya,AK Prasad and A Banerjee*,Relativistic charged spheres: compactstars, compactness and stable configurations, Journal of Cosmology and Astroparticle Physics (2019) (Impact Factor 5.524). 2. S. K. Maurya, S. D. Maharaj,Jitendra Kumar*and Amit Kumar Prasad., Effect of pressure anisotropy on Buchdahl-type relativistic compact stars, <i>General Relativity and Gravitation</i> (2019), 51:86. (Impact Factor 1.515)

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19	Ph.D. Energy Engineering	Energy Engineering	Prof S K Samdarshi	Yes	Solar Thermal, Solar Photoactive/Photocatalytic Materials, Energy Policy & Management	<ol style="list-style-type: none"> 1. Dependence of photoactivity of niobium pentoxide (Nb₂O₅) on crystalline phase and electrokinetic potential of the hydrocolloid, Solar Energy Materials and Solar cells 208, 110408 2. Ensuring the Completion of Solar Cooking Process under Unexpected Reduction in Solar Irradiance, Solar Energy, 179, 286-297 3. In-Situ Decorated Optimized CeO₂ on Reduced Graphene Oxide with Enhanced Absorptivity and Visible Light Photocatalytic Stability and Reusability, Journal of Physical Chemistry C 120, 22281–22290 4. Cobalt-doped zincblende-wurtzite mixed-phase ZnO photocatalyst nanoparticles with high activity in visible spectrum, Applied Catalysis B: Environmental 144, 435-441. 5. High UV/Visible light activity of mixed phase titania: A generic mechanism, Solar Energy Materials and Solar cells 95, 1901–1907
			Dr D B Lata	Yes	Dual Fuel IC Engine with H ₂ Fuel	<ol style="list-style-type: none"> 1. Kumar, C.B., Lata, D.B., Mahto, D., Analysis of ignition delay by taking Di-tertiary-butyl peroxide as an additive in a dual fuel diesel engine using hydrogen as a secondary fuel, (2020) International Journal of Hydrogen Energy45(29) 14806-14820 2. Dhole, A.E., Yarasu, R.B., Lata, D.B. Effect of hydrogen and producer gas as secondary fuels on combustion parameters of a dual fuel diesel engine, (2016) Applied Thermal Engineering 108, 764-773 3. Prashant, G.K., Lata, D.B., Joshi, P.C., Investigations on the effect of methanol blend on the combustion parameters of dual fuel diesel engine, (2016) Applied Thermal Engineering 103, 187-194 4. Dhole, A.E., Yarasu, R.B., Lata, D.B., Baraskar, S.S., Shaw, D., Mathematical modeling for the performance and emission parameters of dual-fuel diesel engine using producer gas as secondary fuel, (2015) Biomass Conversion and Biorefinery5(3), 257-270 5. Lata, D.B., Misra, A., Medhekar, S., Effect of hydrogen and LPG addition on the efficiency and emissions of a dual fuel diesel engine, (2012) International Journal of Hydrogen Energy 37(7), 6084-6096

			Dr B M Jha	Yes	Smart Grid, Electric Vehicles	<ol style="list-style-type: none"> 1. Arun, R.K., Anjali, Sardar, M., Jha, B.M., Chanda, N., A spiral shaped regenerative microfluidic fuel cell with Ni-C based porous electrodes, (2019) International Journal of Energy Research 43(14), 8834-8840 2. Rajbongshi, B.M., Ramchiary, A., Jha, B.M., Samdarshi, S.K., Synthesis and characterization of plasmonic visible active Ag/ZnO photocatalyst, (2014) Journal of Materials Science: Materials in Electronics 25(7), 2969-2973
			Dr Basudev Pradhan	Yes	New Generation Solar Photovoltaics	<ol style="list-style-type: none"> 1. B. Pradhan, S. Das, J. Li, F. Chowdhury, J. Cherusseri, D. Pandey, D. Dev, A. Krishnaprasad, E. Barrios, A. Towers, A. Gesquiere, L. Tetard, T. Roy, J. Thomas, Ultrasensitive and ultrathin phototransistors and photonic synapses using perovskite quantum dots grown from graphene lattice, Science Advances, (2020), Vol. 6, no. 7, eaay5225 2. J. Li, B. Pradhan, S. Gaur, J. Thomas, Predictions and strategies learned from machine learning to develop high-performing perovskite solar cells, Advance Energy Materials (2019), 9, 1970181 3. S. Kumar, R. Upadhyay, B. Pradhan* Performance enhancement of heterojunction ZnO/PbS quantum dot solar cells by interface engineering, Solar Energy, (2020), 211, 283-290 4. F.A. Chowdhury, B. Pradhan, Y. Ding, A. Towers, A. Gesquiere, L. Tetard, J. Thomas, Perovskite quantum dot-reduced graphene oxide superstructure for efficient photodetection, ACS Applied Materials & Interfaces, (2020), 12 (40), 45165-45173 5. J. Cherusseri, S. Varma, B. Pradhan, J. Li, J. Kumar, E. Barrios, M. Amin, A. Towers, A. J Gesquiere and Jayan Thomas, Synthesis of air-stable two-dimensional nanoplatelets of Ruddlesden-Popper organic-inorganic hybrid perovskites, Nanoscale, (2020), 12, 10072.
			Dr Sachin Kumar	Yes	Bioenergy, Alternative Fuels, Catalysis	<ol style="list-style-type: none"> 1. Satya Prakash Pandey, Sachin Kumar*, 'Valorisation of argemone mexicana seeds to renewable fuels by thermochemical conversion process' Journal of Environmental Chemical Engineering 08 (05) (2020) 104271 2. Satyanarayan Patnaik, Achyut K. Panda, Sachin Kumar*, 'Thermal degradation of corn starch based biodegradable plastic plates and determination of kinetic parameters by isoconversional methods using thermogravimetric analyzer' Journal of Energy Institute 93 (04) (2020) 1449-1459 3. Sachin Kumar*, R. K. Singh, 'Optimization of process parameters by response surface methodology (RSM) for catalytic pyrolysis of waste high-density polyethylene to liquid fuel' Journal of Environmental Chemical Engineering 02 (01) (2014) 115-122

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20	Ph.D. Nanoscience and Technology	Nanoscience and Technology	Dr. G. P. Singh	Yes	Nanostructure Energy Materials, Hetero-structure Photo-catalysts, Energy Storage Materials, Ferroelectric nanomaterials.	<p>1. Vikash Kumar, Neha Singh, Soumita Jana, Sanjeeb Kumar Rout, Ratan Kumar Dey, Gajendra Prasad Singh (2020), Surface polar charge induced Ni loaded CdS heterostructure nanorod for efficient photocatalytic hydrogen evolution, International Journal of Hydrogen Energy (Just accepted).</p> <p>2. Parameshwar Kommu, G. P. Singh, CH. Shilpa Chakra, Soumita Jana, Vikash Kumar and A.S. Bhattacharyya (2020), Preparation of ZnMn₂O₄ and ZnMn₂O₄/graphene nano composites by combustion synthesis for their electrochemical properties, Materials Science Engineering B 261(2020) 114647-114655.</p> <p>3. Neha Singh, Soumita Jana, Gajendra Prasad Singh and R. K. Dey (2020), Graphene-supported TiO₂: study of promotion of charge carrier in photocatalytic water splitting and methylene blue dye degradation, Advanced Composites and Hybrid Materials, 3 (2020)127-140. Parameshwar Kommu, G.P. Singh, A.S. Bhattacharyya (2018): Sol gel thermolysis process for the synthesis of nano ZnMn₂O₄ by using PVA with combustion fuel and their electrochemical properties, Journal of Energy Storage 16 (2018) 156-159,</p> <p>4. Soumita Jana, Neha Singh, Arnab Sankar Bhattacharyya and Gajendra Prasad Singh (2018): Synthesis of Self-Assembled rGO-Co₃O₄ Nanoparticles in Nanorods Structure for Supercapacitor Application, Journal of Materials Engineering and Performance 27(6) (2018) pp. 2741-2746,</p>
			A.S. Bhattacharyya	Yes	Materials for Energy and Environment	<p>1. Parameshwar Kommu, G P Singh, A.S. Bhattacharyya, Preparation of ZnMn₂O₄ and ZnMn₂O₄/graphene nano composites by combustion synthesis for their electrochemical properties, <i>Materials Science & Engineering B</i> (261) 2020, 114647.</p> <p>2. Neha Kumari, Kumar Gaurav, Samrat Paul, A.S. Bhattacharyya, S.K. Samdarshi., Solar Energy Materials, Dependence of photoactivity of niobium pentoxide (Nb₂O₅) on crystalline phase and electrokinetic</p>

					<p>potential of the hydrocolloid, <i>Solar Energy Materials and Solar cell</i> (208) 2020 , 110408</p> <ol style="list-style-type: none"> 3. Soumita Jana, Neha Singh., Arnab S. Bhattacharyya, Gajendra Prasad Singh, Synthesis of self-assembled rGO-Co₃O₄ nanoparticles in nanorods structure for supercapacitor applications <i>J. Mat. Engg & Perform</i>, 2018 4. Parameshwar Kommu, G P Singh, A S Bhattacharyya Sol gel thermolysis process for the synthesis of nano ZnMn₂O₄ by using PVA with combustion fuel and their electrochemical properties <i>J. Energy Storage</i> 16 (2018) 156-159. 5. Saumaya Kirti, Vinay M. Bhandari, Jyotsna rani Jena, Arnab S. Bhattacharyya, Elucidating efficacy of biomass derived nanocomposites in water and wastewater treatment <i>J. Env. Man</i> 226, 2018, p 95-105.
			Dr. Lawrence Kumar	Yes	<p>Magnetic Nanomaterials, Powder X-ray crystallography, Nanocomposite, Solar Photovoltaics</p> <ol style="list-style-type: none"> 1. D Kumar, P Mishra, A Ranjan, D Dheer, L Kumar, A simplified simulation model of silicon photovoltaic modules for performance evaluation at different operating conditions, <i>Optik</i> 204, 164228, 2020. 2. S Kumari, L Pradhan, L Kumar, M Manglam, M Kar, Effect of annealing temperature on morphology and magnetic properties of cobalt ferrite nanofibres, <i>Materials Research Express</i> 6, 1250a3, 2019. 3. S Supriya, L Kumar, M Kar, Optimization of Dielectric Properties of PVDF-CFO Nanocomposites, <i>Polymer Composites</i> 40 (3), 1239- 1250, 2019. 4. L Kumar, P Kumar, V Kuncser, S Greculeasa, B Sahoo, M Kar, Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite, <i>Materials Chemistry and Physics</i> 211, 54-64, 2018. 5. L Kumar, P Kumar, M Zope, M Kar, High-temperature magnetic behavior of 10% aluminium-substituted cobalt ferrite, <i>Journal of Superconductivity and Novel Magnetism</i> 30 (6), 1629-1634, 2017.
			Dr Ramesh Oraon	Yes	<p>Material Science</p> <ol style="list-style-type: none"> 1. <u>Enhanced specific capacitance of self-assembled three-dimensional carbon nanotube/layered silicate/polyaniline hybrid sandwiched nanocomposite for supercapacitor applications</u> (<i>ACS Sustainable chemistry & Engineering</i> 4 (3), 1392-1403) 2. <u>Nanoclay-based hierarchical interconnected mesoporous CNT/PPy electrode with improved specific capacitance for high performance supercapacitors</u> (<i>Dalton Transactions</i> 45 (22), 9113-9126) 3. <u>Fabrication of nanoclay based graphene/polypyrrole nanocomposite: An efficient ternary electrode material for high performance supercapacitor</u> (<i>Applied Clay Science</i> 118, 231-238)

						<p>4. <u>Hierarchical self-assembled nanoclay derived mesoporous CNT/polyindole electrode for supercapacitors</u> (RSC advances 6 (69), 64271-64284)</p> <p>5. <u>Nanoclay based graphene polyaniline hybrid nanocomposites: promising electrode materials for supercapacitors</u> (RSC advances 5 (84), 68334-68344)</p>
			Dr. Ram Kishore Singh	Yes	<p>Nano biotechnology Biomaterials Tissue Engineering Drug Delivery</p>	<p>1. Ram Kishore Singh, M. Srivastava, N. K. Prasad, Sharad Awasthi, Arunkumar Dhayalan, S. Kannan, Iron doped β-Tricalcium phosphate: Synthesis, Characterization, Hyperthermia effect, Biocompatibility and Mechanical evaluation, Mater. Sci. Eng. C, 78 (2017) 715-726.</p> <p>2. Ram Kishore Singh, M. Srivastava, N. K. Prasad, P. H. Shetty, S. Kannan, Hyperthermia effect and antibacterial efficacy of $\text{Fe}^{3+}/\text{Co}^{2+}$ co-substitutions in β-$\text{Ca}_3(\text{PO}_4)_2$ for bone cancer and defect therapy, J. Biomed. Mater. Res. Part B (2017) 00B:000-000. DOI: 10.1002/jbm.b.33921.</p> <p>3. Ram Kishore Singh, M. Srivastava, N. K. Prasad, S. Kannan, Structural analysis and Hyperthermia effect of $\text{Fe}^{3+}/\text{Ni}^{2+}$ co-substitutions in β-$\text{Ca}_3(\text{PO}_4)_2$, J. Alloys Compounds. Vol. 725, 2017, 393-402</p> <p>4. Ram Kishore Singh, M. Srivastava, N. K. Prasad, Arunkumar Dhayalan, S. Kannan, Fe^{3+} and Mn^{2+} co-substitutions in β-$\text{Ca}_3(\text{PO}_4)_2$ for bone cancer and defect therapy application. New J. Chem., 2017,41, 12879-12891.</p> <p>5. Ram Kishore Singh, Sharad Awasthi, Arunkumar Dhayalan, S. Kannan, Deposition, structure, physical and characteristics of Ag-doped β-$\text{Ca}_3(\text{PO}_4)_2$/chitosan hybrid composite coatings on Titanium metal, Mater. Sci. Eng. C, 62 (2016) 692-701.</p> <p>6. Ram Kishore Singh, S. Kannan, Synthesis, Structural analysis, Mechanical, Antibacterial and Haemolytic Activity of Mg^{2+} and Cu^{2+} co-substitutions in β-$\text{Ca}_3(\text{PO}_4)_2$, Mater. Sci. Eng. C, 45 (2014) 530-538.</p>
21	Ph.D. Water Engineering & Management	Water Engineering & Management	Prof. H.P. Singh	No	<p>Stability of Slopes, Earth and earth retaining structures, Ground Improvement Techniques, Geosynthetics and Reinforced Soil, Soil Liquefaction and Geotechnical Earthquake Engineering.</p>	<p>1. Singh, H.P., Maheshwari, B.K., and saran, Swami, 2010. Improvement in Liquefaction Resistance of Pond Ash using Stone-Sand Column. "International Journal of Geotechnical Engineering, 4(1), 23-30".</p> <p>1. Maheshwari, B.K., Singh, H.P. and Saran, Swami, 2012. Effects of Reinforcement on the Liquefaction Resistance of Solani Sand. "ASCE Journal of Geotechnical and Geoenvironmental Engineering, Vol. 138, No. 7, July 1, 2012. ISSN 1090-0241/7-831-840.</p> <p>2. Singh, H.P. and Yachang, Omo, 2012. "Use of Fly Ash Reinforced with Jute Geotextile as a Pavement Subgrade". International Journal of Earth Sciences and Engineering. ISSN 0974-5904, Volume 05, No. 03 (01) June 2012, P.P. 562-567.</p>

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			Prof. Ajai Singh	No	<p>Watershed modelling, River morphology, Artificial neural network, Micro irrigation, Water policy and governance</p>	<p>1. Singh Ajai , R.P.Singh, P.S.Mahar and K.K.Singh. 2000. Optimal design of tapered microirrigation submain manifolds. American Society of Civil Engineers, Jr. of Irrigation and Drainage Engineering, 126(6), pp. 371-374.</p> <p>2. Singh, Ajai., M. Imtiyaz, R.K.Isaac, D.M.Denis. 2012. Comparison of soil and water assessment tool (SWAT) and multilayer perceptron (MLP) artificial neural network for predicting sediment yield in the Nagwa agricultural watershed in Jharkhand, India. Agric. Water Mgt., 104, pp.113-120.</p> <p>3. Singh, Ajai., M. Imtiyaz, R.K.Isaac, D.M.Denis. 2014. Assessing the performance and uncertainty analysis of Soil and Water Assessment Tool (SWAT) and Radial Basis Neural Network (RBNN) models for simulation of sediment yield in Nagwa watershed, India. Hydrological Sciences, 2(59): 351-364 .</p> <p>4. Fakeha Parween, Pratibha Kumari, Ajai Singh. 2020. Irrigation Water Pricing Policies and Water Resources Management, Water Policy, Accepted.</p> <p>5. Kumar Ashwini, Shehnaj Ahmed Pathan, Ajai Singh. 2020. Understanding Planform Dynamics of the Ganga River in Eastern Part of India, Spatial Information Research, DOI 10.1007/s41324-020-00373-3.</p>
			Dr. P.K. Parhi	No	<p>Hydrology; Reservoir Planning and Management</p>	<p>1. Parhi, P.K, Mishra, S. K and Singh, R. (2007) “ A Modification to Kostikov and Modified Kostikov Infiltration Models”, Vol 21. Page 1973-1989, Water Resources Management, (Springer</p> <p>2. Parhi, P. K , Sankhua, R. N (2014), Beyond the Transboundary River-Issues of Riparian Responsibilities”, Journal of The Institution of Engineers (India): Series A, Springer, Volume 94, Issue 4 (2014), Page 257-261, 2014</p> <p>3. Parhi, P.K (2016), An improvement to Waterfront Advance-time Relationship for Irrigation Boarders” ICID Journal on Irrigation and Drainage”, ICID, Jhon Wiley and Sons Publication, 65, 568-573, 2016</p>

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			Dr.B. Bharti	No	Hydrological Modelling, Soft Computing	<p>1. Goyal, M. K., Bharti,B, John, qulity., Jan, Adamowski, Pandey, A. (2014) Modeling of daily pan evaporation in sub tropical climates using ANN, LS-SVR, Fuzzy Logic, and ANFIS. Journal of Expert Systems with Applications. Volume 41, Pages 5267–5276. (IF: 5.452)</p> <p>2. Bharti,B, Pandey, A., Tripathi, SK., Kumar, D. (2017) Modelling of runoff and sediment yield using ANN, LS-SVR, REPTree and M5 model. Journal of Hydrology Research, DOI: 10.2166/nh.2017.153. (IF: 2.012)</p> <p>3. Shinde, V., Singh, M., Nandgude, S., Bharti, B. (2020) Modelling the effect of conservation measures on potential soil erosion: a USLE and GIS approach. Current Science (00113891). Volume 119, issue 06, Pages 984-991. (IF 0.756)</p> <p>4. Jaiswal, R. K., Ali Shorat, Bharti, B. (2020) Comparative evaluation of conceptual and physical rainfall–runoff models. Journal of Applied Water Science (Springer International Publishing). Volume 10, issue 1, Pages 1–14.</p> <p>5. Jha, S., Bharti, B., Reddy, D.V., Shahdeo, P., Das.,P. (2020) Assessment of climate warming in the Western Ghats of India in the past century using geothermal records. Theoretical and Applied Climatology (Springer Vienna). Volume 09, issue 04, Pages 1-13. (IF 2.882)</p>
			Dr. P. Warwade	Yes	Watershed Management, Climate Change Impacts on Water Resources	<p>1. Pratibha Warwade, M. K. Hardaha ,Dheeraj Kumar and Surendra Kumar Chandniha (2014), “Estimation of soil erosion and crop suitability for a watershed through remote sensing and GIS approach”. In The Indian Journal of Agricultural Sciences ((Referred Journal with ISSN: 0019-5022) Vol. 84 (1), pp 18-23.</p> <p>2. Pratibha Warwade, M. K. Hardaha ,Surendra Kumar Chandniha and Dheeraj Kumar (2013), “Land use land cover change detection of Patani micro-watershed of Madhya Pradesh using remote sensing data”. In Scientific Research and Essays (Referred Journal with ISSN: 1992-2248) Vol. 8(40), pp 1984-1990. http://www.academicjournals.org/SRE</p> <p>3. Pratibha Warwade Shalini Tiwari, Sunil Ranjan, SK Chandniha, Adamowski J (2018) Spatio-temporal variation of rainfall over Bihar State, India. J Water Land Dev 36:183–197.</p>

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			Dr. S. Chourasia	Yes	<p>1. Experimental and Computational Hydraulics</p> <p>2. Sediment Transportation</p> <p>3. Modelling and Forecasting in Water Resources Management</p>	<p>1. Shikha Chourasiya, Pranab K. Mohapatra and Shivam Tripathi (2017), "Non-intrusive underwater measurement of mobile bottom surface", Advances in Water Resources (ELSEVIER), 104:76-88, http://dx.doi.org/10.1016/j.advwatres.2017.03.009</p> <p>2. Vikas Kumar Vidyarthi, Ashu Jain and Shikha Chourasiya (2020), "Modeling Rainfall-Runoff Process using Artificial Neural Network with Emphasis on Parameter Sensitivity", Modeling Earth Systems and Environment, (Springer Publication, ESCI, SCOPUS), https://doi.org/10.1007/s40808-020-00833-7.</p> <p>3. Vikas Kumar Vidyarthi and Shikha Chourasiya (2020), "Particle Swarm Optimization for Training Artificial Neural Network-Based Rainfall-Runoff Model, Case Study: Jardine River Basin.", In: Sharma D., Balas V., Son L., Sharma R., Cengiz K. (eds) Micro-Electronics and Telecommunication Engineering. Lecture Notes in Networks and Systems, vol. 106. (SCOPUS) Springer, Singapore. https://doi.org/10.1007/978-981-15-2329-8_65. Book Chapter</p> <p>4. Shikha Chourasiya, Pranab K. Mohapatra and Shivam Tripathi (2015), "Experimental Investigation of Overtopping Breaching of Non-Cohesive Earthen Dam", 20th International Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering (HYDRO), IIT Roorkee, UK, India.</p> <p>5. Shikha Chourasiya, Pranab K. Mohapatra and Shivam Tripathi (2014), "Experimental Investigation of Levee breaching due to Overtopping", 19th International Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering (HYDRO), MANIT Bhopal, MP, India.</p>