

Bridging the Divide: How Multidisciplinary Research Can Reimagine Rural Education in India

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ABSTRACT

The challenges of rural education in India are connected with socioeconomic inequality, gender differences, discrimination, geographic location, lack of infrastructure, language, poor access to digital technology, lack of teachers, and lack of learning materials. Those issues can be solved with the help of one scientific field since educational processes depend on social, economic, technological, cultural, health and policy environment. In this paper, the issue is going to be discussed how multidisciplinary research can change rural education involving education, sociology, technology, economics, public health, nutrition, psychology and public policy. Digital and blended learning, culturally responsive teaching, community involvement, teachers' professional development, health and nutrition assistance and policy making are going to be considered as interrelated solutions. Collaboration of researchers, teachers, politicians, parents, organizations and communities may offer context specific solutions. Thus, multidisciplinary approach helps to go beyond school access to the system of education which responds to the needs of the students.

Keywords: Rural Education, Multidisciplinary Research, Educational Inequality, Digital Divide, Digital Literacy.

Introduction

Education can lead to social mobility and equity, but there is disparity in education in India. The rural population has been facing problems related to poverty, poor schools, teachers, distance, gender discrimination, social exclusion, difference in language, lack of access to technology, and health and nutrition issues. Since these barriers usually reinforce each other, it may be that better infrastructure cannot solve the problem of educational inequity. Socioeconomic and cultural factors play an important role in educational participation. For example, poverty may hinder families from meeting educational expenses, and household chores, agricultural activities, transportation issues, child marriage, and gender norms may hamper girls from going to schools. In addition, disadvantaged communities may face a lack of teachers, inappropriate infrastructure, social exclusion, and language barriers. It may happen that when the medium of instruction is different from the home language, the student may fail to grasp the lesson and participate in educational activities.

Technology provides opportunities through online learning, mobile learning, blended learning, and digitization. However, the rural digital divide is not limited to accessibility to the internet alone. Electricity, devices, affordability, digital literacy, teacher readiness, and locally relevant content affect the

use of technology in meaningful ways. Hence, any technology-driven initiative must be backed by schools, teacher training, community involvement, and contextual considerations.

The above-mentioned issues highlight the need for multidisciplinary research on education. Sociology can study poverty, gender, caste, discrimination, exclusion and culture; education can study pedagogy and teacher preparation; technology can help increase access and connectivity; economics can look at resources and costs involved; public health and nutrition can investigate factors that affect learning; psychology can look at learning and well-being; and public policy can design equitable policies. Community involvement is crucial since communities can decide their requirements and link education to health and livelihood development.

An inclusive policy must encompass infrastructure, teacher training, financing, transport, cultural curriculum, digital access, healthcare, and nutrition. Future research can be conducted by combining quantitative data and qualitative experience and local knowledge. Partnerships between universities, schools, government agencies, community organizations, and rural people will provide for evidence-based solutions, which will be sustainable, equitable and locally relevant.

Socio-Economic and Cultural Barriers to Rural Education in India

- **Poverty, Household Economy, and Access to Education**

Traditionally, poverty has been evaluated using income and consumption thresholds. Such evaluation is appropriate but does not reflect all possible impacts of poverty on education. In the context of rural areas, household economy plays a role in access to education via its influence on the opportunity to cover all related costs of education like purchasing study materials, transportation, digital equipment, uniforms etc. Moreover, socio-economic situation might compel children to do household chores or farm work. Thus, access to education is determined not only by existence of schools and public education system but also by socio-economic situation in the household (World Bank, 2000; UNDP, 2001).

- **Gender Inequality and Social Norms**

Gender roles play an important role in the education of rural and tribal girls, particularly during adolescence. Housework, agriculture work, childcare, poverty, fear of danger, lack of sanitation facilities, problems related to menstruation, and early marriages can lead to discontinuation of schooling. The attitudes of parents are also important: positive attitudes towards education of girls will encourage schooling and aspirations among girls, whereas if parents place little importance on education of girls, then pressure on girls to discontinue schooling may be high. There have been studies on tribal children from Odisha and Himachal Pradesh that have identified other problems faced by children in these areas such as poor infrastructure, lack of teachers, lack of sanitation facilities, and unpleasant school environment (Mohanty et al., 2019; Swangla & Puri, 2014).

- **Caste, Tribal Communities, and Social Exclusion**

Children from tribal and other socially underprivileged communities are subject to a number of challenges such as poverty, remoteness, teacher shortage, language difference, poor infrastructure, ill-health, gender discrimination, and social marginalization. The comparison between Odisha and Chhattisgarh found the presence of significantly fewer tribal students moving from class X to class XI in Odisha due to the reasons like availability of schools, distance, teachers, and infrastructure (Kujur & Das, 2026). Another challenge to children's education is the language difference between the language used at school and the one children use at home. The studies have shown that the problem of comprehension of the language used at school, lack of textbooks, and inadequate water and sanitation facilities was found among tribal children (Mohanty et al., 2009; Rani, 2007).

- **Language, Culture, and Geographical Isolation**

Language and geographic isolation can be obstacles to educational attendance in multilingual and isolated areas. Where class teaching is in a language other than the one spoken at home, it may become difficult for students to understand the teacher and books, and learning outcomes are affected (Gautam, 2003; Mohanty et al., 2009; Pattanaik, 2020). Teachers without local language and cultural knowledge can face difficulties making links between what is learned and students' lives. Geographic isolation may limit the availability of schools, teachers, transportation, books, hospitals, Internet, and other related resources. An education system that integrates culture, local knowledge, language, and material from local surroundings can thus make learning more relevant and accessible.

The Digital Divide and the Role of Technology in Rural Education

- **Meaning and Dimensions of the Digital Divide**

The Digital Divide is not just about access to digital devices and internet but involves issues like differences in digital skills, institutions preparedness, costs, usage pattern and gains that have been made through technology. There are cases in rural India where the issue of poor connectivity, lack of devices, lack of teacher's training, and inequality in schooling could make digital education less effective. Research in the area of teacher education has shown how there is a continuing gap between rural and urban regions in terms of ICT access and preparedness, while at the national level programs like NEP 2020, DIKSHA, and SWAYAM can act as frameworks for bridging the gaps (Gupta & Singh).

- **Availability of Internet Connectivity and Digital Infrastructure**

The digital infrastructure involves internet, electricity, digital classrooms, computer laboratories, e-learning software, and other facilities which facilitate the process of education and learning. Infrastructure differences between rural and urban areas may lead to unequal educational opportunities. Reviews of the use of technology in rural India reveal the use of online platforms, mobile learning, digital content and virtual classroom as some of the options which can help improve access; however, these tools will only be effective where there is affordability, good infrastructure, readiness of teachers and appropriate facilities (Aashish & Rohit, 2024).

- **Access to Smartphones, Computers, and Other Digital Devices**

The possession of smartphones, computers and other devices enables students to participate in digital classes and learn through digital means. Nevertheless, the high cost of the devices and limited infrastructure make it difficult for students from poor rural families to access these facilities. Chauhan et al. (2025) cite inadequate devices, internet connectivity, affordability and digital skills as some of the main barriers to e-learning. Multilingual content, community-based training and learning management systems which operate under low connectivity conditions are also mentioned by the authors.

- **Digital Literacy Among Students and Teachers**

Digital literacy is important as both students and teachers need it in order to be able to access, make sense of, judge, and use technology for their studies, teaching, and communication. Rural schools could be lacking in terms of digital literacy skills, along with inadequate infrastructure, costly equipment, and inconsistent internet connection. Chauhan et al. (2025) emphasize the role of digital literacy and accessibility of e-learning, while Bhardwaj et al. (2025) focus on teacher preparedness, lack of resources, disparities between rural and urban areas, and professional development.

- **Online and Blended Learning in Rural Areas**

Online and blended learning approaches can widen the educational horizons of rural students through giving access to digital material, teachers, and experts from other locations. Blended learning involves combining online tools with in-person lessons, teacher assistance, and community involvement. Bandyopadhyay et al. (2021) analyzed a blended learning platform that enabled linking rural adult learners in West Bengal to experts, teachers, and other organizations. The method was effective in terms of knowledge and skills transfer and additional learning. However, online and blended approaches need proper technology, digital literacy, teacher support, and relevant implementation. Digital learning combined with community involvement can minimize geographical barriers but maintain local relevance.

- **Role of ICT and Digital Educational Platforms**

ICT and digital educational platforms may offer increased learning opportunities through online courses, AI, augmented and virtual reality, learning analytics, cloud computing, MOOCs, and open educational resources. According to Malviya (2025), some of the issues associated with ICT include last mile connectivity issues, availability of devices, need for local language content, teacher preparedness, and issues related to data. Konwar (2025) talks about the platforms which can be used to increase access through MOOCs, Open Educational Resources, SWAYAM, Swayam Prabha, and DIKSHA. These works suggest that digital platforms are able to help in rural education along with infrastructure, teacher preparedness, local content, digital literacy, inclusive design, and suitable policies. Technology needs to be integrated with educational and social planning.

- **Challenges and Opportunities of Technology-Based Education**

Technology-enabled education provides ways for increased resourcefulness, skill development, and connectivity among rural learners; however, technology-enabled education can pose some obstacles. Poor internet connections, lack of digital literacy, teachers' preparedness, economic disparities, and inappropriate application of technological models in local conditions could hinder participation. Rakshana and Kumar (2025) point out the necessity of merging the new digital innovation with existing pedagogical approaches and to examine how teachers and students will be using the technology. Accordingly, technology-enabled education should be supported by proper policies, community involvement, teachers' preparedness, affordability of access, and awareness of local conditions. Collaboration across disciplines can facilitate proper alignment of technology and reality.

Multidisciplinary Approaches to Addressing Educational Inequality

- **Concept and Importance of Multidisciplinary Research**

A multidisciplinary approach is one in which knowledge, theories, and methodologies of various disciplines are combined to study a particular phenomenon. Educational disparities in rural areas are caused by several interacting economic, social, cultural, technological, health, and geographic variables, and therefore a monodisciplinary approach fails in dealing with this issue. The NEP 2020 promotes learning, local languages, accessibility, and a transdisciplinary approach to education. Anand and Singh (2025) explore both the advantages and disadvantages of interdisciplinary education. It could be helpful in studying the rural education problem in India, where a combined effort of all these disciplines could highlight the interrelated barriers.

- **Role of Sociology in Understanding Educational Inequality**

Sociology can account for the impact of economic, cultural, social, and geographical factors on the availability of education. Poverty, social stratification, gender, caste, social isolation, cultural norms, and inequality in digital usage may affect the ability of students to access, enrol in, and succeed in education. Sarkar and Nouskit (2026) mention infrastructure, technological competence, and cultural participation as dimensions of educational equity. In rural India, a sociological approach can help to understand the interrelation between social exclusion and cultural factors and their effect on the education system. Combining sociological perspective with research in education, technology, and policy-making can help develop interventions relevant to the context.

- **Technology and Education Integration**

Technology can make learning processes more flexible, individualised, and accessible due to the use of multimedia sources, assistive technologies, adaptation systems, and learner-centered approaches. The potential of technology in helping rural students, those with disabilities, and poor students in accessing learning resources and engaging in education is highlighted by Vashistha (2025). However, the effective integration of technologies into education requires infrastructure, teachers' training, digital literacy, affordability, and local context-oriented planning. Therefore, sustainable and equitable technology-based education presupposes cooperation of education, technology, sociology, and economics.

- **Collaboration Among Researchers, Educators, and Policymakers**

Collaboration amongst researchers, educators, policymakers, and the community itself is necessary in the formulation of sustainable measures against rural educational inequality. According to Subrahmanyam (2026), research, knowledge transfer, and sustainability are linked together, with the latter making use of interdisciplinary collaboration for achieving SDG 4. Frameworks including the Triple Helix and Education for Sustainable Development stress on interconnections between institutions, research, teaching, innovation, and community. In rural India, collaborative processes would enable problem identification, knowledge transfer, policy-making, and community engagement in order to achieve sustainable results.

Community Participation, Health, Nutrition, and Holistic Development in Rural Education

- **Role of Parents and Families in Children's Education**

Families and parents impact children in terms of learning, nutrition, schooling attendance, and holistic development. In rural settings, the role of relationships between schools, families, and community

becomes especially important for educational inequality reduction. According to Wilmah and Karthiga (2025), community engagement and teacher preparation are of special importance for food and nutrition education; moreover, Rangarajan (2025) discusses relational school-family-community connections in a rural Indian school. The abovementioned studies also note sociocultural and institutional barriers that may restrict participation. Family and community partnerships enhanced by education, nutrition, and sociological perspective could positively impact on children development.

- **Community Participation in School Development**

Community participation may make education relevant, inclusive, and sustainable through relating educational activities to local needs. Cornet et al. (2024) discuss the application of participatory and community-based models in Indian higher education that promote learning through doing, collaboration, and collective responsibility. Similar principles may guide rural schools by making students, parents, and members of the community take part in defining local needs and designing activities. Effective participation may build positive relations between schools and the community, foster ownership, and relate education to community development.

- **Role of Local Institutions and Non-Governmental Organizations**

Local institutions and non-governmental organisations can contribute to rural education through community-based learning, skill development, health education, and social participation. Barigai and Heravdakar (2021) analysed a rural community project related to health, sanitation, nutrition, and agriculture, finding benefits in terms of knowledge and skills, health practices, food production, confidence building, and community participation. Such initiatives illustrate ways in which non-formal education can complement formal education where schools lack educational resources. Cooperation between schools, local institutions, families, NGOs, and the community can increase educational participation and promote community development.

- **Impact of Health and Nutrition on Academic Performance**

Health and nutrition affect the cognitive development of children along with their participation and academic achievements. Chaudhuri et al. (2025) conducted a study on 560 children between ages six and eight in rural Jharkhand, which found associations between nutrition, cognitive achievement and academic performance. The AmritaRITE model proposed by Nedungadi et al. (2016) includes not only education, but also health and nutrition, technology skills, moral values, gender equity, environmental protection and social development. Such data justify the need to include health education, nutrition, cognitive development and educational support in order to make the education of rural children more comprehensive.

- **School Based Nutrition and Health Programs**

School based programs for nutrition and health can assist in improving attendance, well-being and learning, especially for poor and rural communities. Sood (2010) provides information about the effect of malnutrition of children and the importance of programs like ICDS and the Mid Day Meal Program for overcoming the problems of nutrition deficiency. Halder et al. (2012) demonstrate how health and nutrition programs in school setting can help in solving the problem of anemia. School health services have not been implemented uniformly in schools according to Jakasania et al. (2023), and it is time that focus shifts from simply health assessments to other issues related to wellness. Cross-sector collaboration can aid this process.

- **Mental Health and Psychosocial Well-being of Rural Students**

Psychological well-being is essential to the involvement, confidence, and growth of the students. The rural and marginalized students might face social issues, as well as some difficulties at school, which may impede their learning process. Leventhal et al. (2015) found out the significance of social and psychological needs along with the physical well-being and education of the students with the help of the Girls First project with 3,560 adolescent girls in rural Bihar. Well-being was found associated with self-efficacy by Gupta and Akshara (2026) among rural and tribal students.

- **Promoting Holistic Development Through Education**

The concept of holistic development encompasses not only learning but also physical health, nutrition, social relations, early childhood care, and life skills. According to Kapil (2002), ICDS is an example of an integrated program that includes nutrition, health interventions, pre-school education,

water and sanitation, and community support for children, mothers, and adolescent girls. Thus, such programs illustrate the need for coordinated efforts in the work of various governmental departments and services. An analogous approach to rural education can lead to greater learning opportunities and better general development of children, especially multiple-disadvantaged ones.

Policy Innovations for Transforming Rural Education in India

- **Educational Policies Inclusive and Equitable**

In order to provide educational equity, it is necessary to ensure the availability of learning opportunities for all children and remove the barriers that are related to poverty, gender, marginalization, disability, geography, and inequality of resources. It is important that NEP 2020 pays attention to equity and inclusion. Scholarships, transport, residential options, proper classrooms, culturally sensitive learning, etc. can help to increase the rate of participation. However, according to Beerannavar and Pancrasius (2024), their implementation and sufficient resources are crucial for that.

- **Strengthening Teachers and Infrastructure**

Teacher availability, professional development, and proper infrastructure are fundamental aspects for ensuring quality of education in rural areas. Teachers need training in inclusive teaching methods, digital learning, assessments, health and nutrition education, and culturally sensitive teaching. Schools also need provision of classrooms, sanitation, drinking water, electricity, library, laboratory, physical education space and proper technology equipment. Poor infrastructure has been seen to hinder teachers' efficacy and students' learning process, and proper infrastructure can help improve educational process (Ali, 2024; Boma, 2024). Therefore, planning for infrastructure and teacher development should go hand in hand.

- **Integrating Education, Health, and Nutrition**

Policies on education, health and nutrition can be integrated through schools as schools can be a good medium for influencing children and their families. The midday meal scheme is highly relevant for rural and tribal regions due to possible poverty and nutritional problems that might affect enrolment in schools. Mid-Day Meal Scheme Implementation and Malnutrition Problems in Rayagada District of Odisha is a research that highlights the implementation issues of the program along with problems related to malnutrition (Sripathi et al., 2023). Hoque (2023) investigates the link between attendance and academic achievement of the students under the scheme.

- **Future Research and Multidisciplinary Collaboration**

The future research studies need to be more interdisciplinary, participatory, and mixed-method studies. The mixed-method study combines the aspects of both qualitative and quantitative data, which enables researchers to look at the issues in education from various viewpoints (Şahin & Öztürk, 2019). Universities, schools, government ministries, local organizations, and the community members can collaborate on identifying problems, developing intervention programs, and evaluating outcomes.

Conclusion

The education in rural areas is affected by various interrelated factors such as poverty, gender discrimination, social exclusion, language barrier, remoteness, lack of infrastructure, shortage of teachers, and unequal access to information communication technology (ICT). Since all these barriers go hand in hand, merely providing basic solutions through schools may not help.

Interdisciplinary approach helps in analyzing and addressing the above mentioned interrelated problems. Interdisciplinary approach involving education, sociology, technology, economics, public health, nutrition, psychology, and public policy helps in identifying factors affecting participation and performance in education.

Equally, sustained transformation requires collaboration among researchers, educators, policymakers, families, NGOs, local organisations, and communities to establish needs and generate feasible solutions. Community engagement may enhance the relevancy of the programme, whereas coordination between the sectors of education, health, nutrition, and social services could take into account the overall development of the students. Technology would expand the accessibility of education provided there is dependable power supply and Internet, availability of affordable technology devices, readiness of teachers, computer literacy, and relevant content.

Future studies will have to integrate quantitative data with the community experiences and local knowledge and engage schools, universities, governmental agencies, and communities in the research process as well as in implementation. Consequently, rural education should be viewed in the context of an integrated social, technological, economic, health, and community system. It may serve as the basis for sustainable and student-centred education in rural India.

References

1. Aashish, J., & Rohit, K. (2024). Technologies for quality and sustainable online education in rural India: A comprehensive review. 2024 ITU Kaleidoscope: Innovation and Digital Transformation for a Sustainable World (ITU K), 1-8.
2. Anand, A., & Singh, P. (2025). Interdisciplinary studies: Issues, perspectives, and challenges from National Education Program 2020. Integrating personalized learning methods into STEAM education, 233-260.
3. Bandyopadhyay, S., Bardhan, A., Dey, P., & Bhattacharyya, S. (2021). Online Blended Learning Platform for Rural Adult Learners: Bridging the Opportunity Divide Through Community Formation. In *Bridging the education divide using social technologies: explorations in rural India* (pp. 215-232). Singapore: Springer Singapore.
4. Barigai, A., & Heravdakar, L. (2021). Empowering communities through non-formal education: A case study in rural India. *Journal of Education Review Provision*, 1(3), 94-100.
5. Beerannavar, C. R., & Pancrasius, S. (2024). National Education Policy 2020: Equity and Inclusion in India's Education System. In *Exploring educational equity at the intersection of policy and practice* (pp. 138-158). IGI Global Scientific Publishing.
6. Bhardwaj, E., Agarwal, P., Maheshwari, N., & Sharma, E. (2025). Emerging Issues Challenges in the Indian Education System: Problems, Challenges and Opportunities in the Education System. *Advances in Consumer Research*, 2(6).
7. Boma, I. H. U. A. (2024). Managing school infrastructures for teacher quality education delivery in public senior secondary schools in Port Harcourt Local Government Area of Rivers State. *Development and Society*, 5(3), 360-376.
8. Chaudhuri, T., Pandit, A., Kumari, P., Faisal, A., Ghosh, J., Choudhury, S. R., & Koner, S. (2025). The double burden of malnutrition and its impact on academic achievement and cognitive function in students of rural India. *Journal of Family Medicine and Primary Care*, 14(8), 3315.
9. Chauhan, T., Visnu, S., & Kumar, S. (2025). Bridging the digital divide: A review on digital literacy, e-learning, and LMS solutions for rural communities.
10. Cornet, S., Barpanda, S., Guidi, M. A. D., & Viswanathan, P. K. (2024). Sustainability education and community development in higher education using participatory and case based approaches in India. *International Journal of Sustainability in Higher Education*, 25(9), 94-110.
11. Gautam, V. (2003). Education of tribal children in India and the issue of medium of instruction: A Janshala experience. UN/Government Janshala Programme, New Delhi.
12. Gohain, J., & Konwar, N. (2025, December). Education for all in the digital age: Bridging the divide. In *International Conference on Smart Systems and Social Management (ICSSSM 2025)* (pp. 375-384). Atlantis Press.
13. Gupta, K., & Singh, A. Digital Divide in Teacher Education: Rural–Urban Disparities in Access to ICT Resources and their Application in the Indian Context. *Samajiki Sandarsh*, 16.
14. Gupta, R. K., & Akshara. (2026). Comparative Analysis of Personal Well-Being and Self-Efficacy on Indian Rural and Tribal Children. In *The Future of Work: How Technology is Transforming Jobs and Skills* (pp. 241-250). Cham: Springer Nature Switzerland.
15. Hoque, M. A. (2023). Mid-day meal scheme in India: Current status, critical issues and challenges. *International Journal of Education, Language, and Social Science*, 1(2), 106-122.
16. Jakasania, A., Lahariya, C., Pandya, C., Raut, A. V., Sharma, R., K, S., ... & Gupta, S. S. (2023). School health services in India: status, challenges and the way forward. *Indian Journal of Pediatrics*, 90(Suppl 1), 116-124.
17. Kapil, U. (2002). Integrated Child Development Services (ICDS) scheme: a program for holistic development of children in India. *The Indian Journal of Pediatrics*, 69(7), 597-601.

18. Kujur, J., & Das, A. (2026). Barriers to school education of tribals in eastern India and implications for SDG 4. *Discover Global Society*, 4(1), 22.
19. Mohanty, A. K., Mishra, M. K., Reddy, N. U., & Ramesh, G. (2009). Overcoming the language barrier for tribal children: MLE in Andhra Pradesh and Orissa, India. In *Multilingual Education for Social Justice: Globalising the Local* (pp. 278–291)
20. Mohanty, A. K., Mishra, M. K., Reddy, N. U., & Ramesh, G. (2009). Overcoming the language barrier for tribal children: MLE in Andhra Pradesh and Orissa, India. In *Multilingual education for social justice: Globalising the local* (pp. 278–291).
21. Mohanty, S., Thamminaina, A., & Kanungo, P. (2019). Delivering quality education to girls from particularly vulnerable tribal groups (PVTGs) in India. *Humanities & Social Sciences Reviews*, 7(1), 367–375.
22. Pattanaik, J. K. (2020). Tribal children in Odisha and their right to education in the home language. *South Asia Research*, 40(2), 163–180.
23. Rakshana, K. B., & Kumar, C. S. (2025). Navigating Pedagogical Paradoxes and Epistemic Dissonance: An Indian Social Science Perspective on Challenges in Education Policy and Praxis in the Digital Epoch. *Scriptora International Journal of Research and Innovation (SIJRI)*, 18-22.
24. Ramanaik, S., Collumbien, M., Prakash, R., Howard-Merrill, L., Thalinja, R., Javalkar, P., & Bhattacharjee, P. (2018). Education, poverty and “purity” in the context of adolescent girls’ secondary school retention and dropout: A qualitative study from Karnataka, southern India. *PLoS ONE*, 13(9), e0202470.
25. Rangarajan, R. (2025). Relational pedagogy for inclusion in (in) action: Exploring relational encounters in teaching and learning at a rural small school in India. *International Journal of Educational Research*, 132, 102620.
26. Rani, B. S. (2007). Problems faced by tribal children in education (Doctoral dissertation, ANGRAU College of Agriculture: Human Development and Family Studies).
27. Şahin, M. D., & Öztürk, G. (2019). Mixed method research: Theoretical foundations, designs and its use in educational research. *International Journal of Contemporary Educational Research*, 6(2), 301–310
28. Sarkar, R., & Nouskit, S. (2026). Education as an Equalizer in the Era of Digital Divides: Redefining Equity. In *Addressing Digital Divides in International Higher Education* (pp. 133-166). IGI Global Scientific Publishing.
29. Sripathi, N., Mohapatra, J., Dehury, P., Neeragatti, S., Behera, S., & Dehury, R. K. (2023). The function of mid-day meal scheme: A critical analysis of existing policies and procedures in Rayagada District of Odisha (India). *The International Journal of Community and Social Development*, 5(1), 97–118.
30. Subrahmanyam, S. (2026). Research and Knowledge Transfer: Linking Education and Sustainability. In *Interdisciplinary Perspectives on Transnational Education for Sustainable Development* (pp. 195-230). IGI Global Scientific Publishing.
31. Swangla, P., & Puri, K. (2014). Perception of tribal girl students of Himachal Pradesh about the difficulties faced by them in pursuing education. *Pedagogy of Learning*, 2(1), 122–130.
32. Tilak, J. B. (2002). Education and poverty. *Journal of human development*, 3(2), 191-207.
33. VASHISTHA, M. (2025). The Role of Educational Technology in Bridging Learning Gaps Across Diverse Learners. *Knowledge without borders: Empowering futures through diverse disciplines*. EduCrea Global Publications, 149-156.
34. Yerunkar, R., Patil, J., Haque, Z., & Shaikh, M. A. (2026, April). Innovative pedagogies across the education spectrum: a comprehensive review of practices, systemic challenges, and health implications from early childhood to higher education. In *Frontiers in Education* (Vol. 11, p. 1768781). Frontiers Media SA.

