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Current issue – Volume 09 (02), July 2023

	Content		View
Sr No.	Name	Authors	Download
1	**Spatio-Temporal Differentiation and Future Trends Analysis of Agricultural Productivity in Hathras District, Uttar Pradesh** DOI: 10.46587/JGR.2023.v09i02.001	**Mumtaj Ahmad, Pasarul Islam** and **Enayat Bano**	Download
2	**Climate Change – Integrating Policy, Practice and Education** DOI: 10.46587/JGR.2023.v09i02.002	**Poonam Saini** and **Aarti Grover**	Download
3	**Exposure To Biomass Fuel Smoke and Risk of Child Morbidity: An Analysis on South and South-east Asian Countries** DOI:10.46587/JGR.2023.v09i02.003	**Labhita Das, K. C. Das** and **Ajit Kumar Jaiswal**	Download
4	**Innovative Nature-Based Solutions for Ecosystems Resilience, Connectivity** and **Conservation, Iran** DOI:10.46587/JGR.2023.v09i02.004	**Mahmood Yekeh Yazdandoost**	Download
5	**Mitigating The Climate Impacts of Water Scarcity Through 'The Green Project' In Central Indian Region, Nagpur District, Maharashtra, India**	**Nilesh Mankar**	Download

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SPATIO-TEMPORAL DIFFERENTIATION AND FUTURE TRENDS ANALYSIS OF AGRICULTURAL PRODUCTIVITY IN HATHRAS DISTRICT, UTTAR PRADESH

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Abstract: *The agriculture sector has gone through different phases of growth, embracing a wide variety of institutional interventions, technology and policy regimes in India. It is important to assess whether the past, present and future trends of agricultural productivity are compatible with the growing demand of people. This paper analyzes the spatio-temporal differentiation and future trends of agricultural productivity in Hathras district, Uttar Pradesh. This study is based on secondary sources of data for the period 2000-01 and 2014-15. Yang's Crop Yield Index (CYI), Standard Deviation (SD) and Data Projection techniques have been used in this work. The study reveals that the whole district has made reasonable enhancements in their agricultural productivity from 2000-01 to 2014-15 which are varied over space and time. The future trends of agricultural productivity for the year 2030-31 indicate that the study area has continuously boosted its productivity since 2000-01. It concludes that the problems which are needed to address are accessibility, invention, and equal delivery mechanism of government-sponsored schemes, programs, policies and projects like irrigation, capacity building programs, farmer sensitization issues and others.*

Keywords: Agricultural Productivity, Crop Yield Index, Differentiation, Future Trends