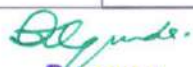**3.3.1 Number of research papers published per teacher in the Journals notified on UGC website during the last five years**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
						Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
2022-2023								
Reflection of Ideologies and its clashes in the Cairo Trilogy of Naguib Mahfouz (In'ekasul Ideolojiyyah wa sira'uha fi sulasiyyatul Qaherah Lenajeeb Mahfooz	Abdul Matin Wasim	Arabic	Kalikoot	2022-2023	2278-764X	KALIKOOT (kaalikoot.com)	https://www.govtgirlsekbalpur.com/documents/Research/Publication/Matin_Publications.pdf	UGC CARE LIST
"Identification of Naturally Occurring Carbazole Alkaloids Isolated from Murraya koenigii and Glycosmis pentaphylla by the Preparation of HPLC Fingerprint"	Mumu Chakraborty	Chemistry	Journal of Scientific Research, Rajshahi University	2022-2023	ISSN: 2070-0237 E-ISSN: 2070-0245	Journal of Scientific Research (banglajol.info)	https://www.banglajol.info/index.php/JSR/article/view/53526	UGC CARE LIST
Spatio-temporal Analysis of Crop Combination and Productivity in Purba Barddhaman District, West Bengal	Suradhuni Ghosh	Geography	Geographical Review of India	2022-2023	ISSN: 0375-6386	Geographical Society of India – Kolkata	https://www.govtgirlsekbalpur.com/documents/Research/Publication/Suradhuni_Ghosh_Publications.pdf	UGC CARE LIST
Revealing hidden steering nonlocality in a quantum network	Kaushiki Mukherjee, Biswajit Paul and Soma Mandal	Mathematics Physics	Eur. Phys. J. D	2022-2023	E ISSN: 1434-6079 ISSN: 1434-6060	The European Physical Journal D (EPJ D)	Revealing hidden steering nonlocality in a quantum network	SpringerLink	Scopus preview - Scopus - Sources
2021-2022								
Service Sector, Human Capital Accumulation And Exogenous Growth Model	Senjuti Gupta	Economics	Elementary Education Online	2021-2022	ISSN: 1305-3515	Elementary Education Online (ilkogretim-online.org)	https://ilkogretim-online.org/index.php/pub/article/view/7697	Scopus preview - Scopus - Sources
Endogenous Growth Model In A Two Sector Competitive Economy: Service Good Used As A Factor Input In Commodity Sector	Senjuti Gupta	Economics	Elementary Education Online	2021-2022	ISSN: 1305-3515	Elementary Education Online (ilkogretim-online.org)	Endogenous Growth Model In A Two Sector Competitive Economy: Service Good Used As A Factor Input In Commodity Sector	Elementary Education Online (ilkogretim-online.org)	Scopus preview - Scopus - Sources
Service Sector And Optimal Taxation In An Endogenous Growth Model	Senjuti Gupta	Economics	Elementary Education Online	2021-2022	ISSN: 1305-3515	Elementary Education Online (ilkogretim-online.org)	https://ilkogretim-online.org/index.php/pub/article/view/7698	Scopus preview - Scopus - Sources
CLIMATE CHANGE AND ENDANGERED LIVELIHOOD IN INDIAN SUNDARBANS- A BASELINE APPRAISAL	Rajashree Dasgupta	Geography	International Journal of Interdisciplinary Organizational Studies	2021-2022	ISSN: 2324-7649E-ISSN: 2324-7657	The International Journal of Interdisciplinary Organizational Studies (scholar-organizationalstudies.org)	The International Journal of Interdisciplinary Organizational Studies (scholar-organizationalstudies.org)	Scopus preview - Scopus - Sources

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Title	Author	Department	Journal	Year	ISSN	Journal Link	Article Link	Scopus
KOLKATA CITY AND ITS DETERIORATING SLUM ENVIRONMENTIN TERMS OF HEALTH AND NUTRITION STATUS-ISSUES IN PERSPECTIVE	Rajashree Dasgupta	Geography	Russian Law Journal Open Access	2021-2022	ISSN:2309-8678E-ISSN:2312-3605	Russian Law Journal	KOLKATA CITY AND ITS DETERIORATING SLUM ENVIRONMENT IN TERMS OF HEALTH AND NUTRITION STATUS - ISSUES IN PERSPECTIVE	Russian Law Journal	Scopus preview - Scopus - Sources
Any two-qubit state has nonzero quantum discord under global unitary operations	Kaushiki Mukherjee, Biswajit Paul and Sumana Karmakar	Mathematics	Eur. Phys. J. D	2021-2022	E ISSN: 1434-6079 ISSN: 1434-6060	The European Physical Journal D (EPJ D)	Any two-qubit state has nonzero quantum discord under global unitary operations	SpringerLink	Scopus preview - Scopus - Sources
2020-2021								
Reactions of the carbazole alkaloi mahanimbine with mineral acid, Lewis acid and m-chloroperbenzoic acid"	Mumu Chakraborty	Chemistry	Indian Journal of Chemistry, Section-B	2020-2021	ISSN:0376-4699 E-ISSN:0975-0983	Indian Journal of Chemistry - Section B (IJC-B) (niscair.res.in)	Reactions of the carbazole alkaloid Mahanimbine with mineral acid, Lewis acid and m-chloroperbenzoic acid	Chakraborty	Indian Journal of Chemistry -Section B (IJC-B) (niscair.res.in)	https://www.scopus.com/sources.url
"Mumunine-a new carbazole alkaloid from Murraya koenigii(Linn.) Spreng"	Mumu Chakraborty	Chemistry	Journal of Scientific Research, Rajshahi University	2020-2021	ISSN:2070-0237 E-ISSN:2070-0245	Journal of Scientific Research (banglajol.info)	https://www.banglajol.info/index.php/JSR/article/view/45499	UGC CARE LIST I
An unorthodox metal-free synthesis of dihydro6H-quinoline-5-ones in ethanol/water using a non-nucleophilic base and their cytotoxic studies on human cancer cell line	Arijit Kundu, Bhaswati Bhattacharyya, Kaliprsanna Dhara, Subhobrata Paul, Indira Majumder and Rita Kundu	Chemistry	New J. Chem.	2020-2021	ISSN: 1144-0546 E-ISSN:1369-9261	New Journal of Chemistry (rsc.org)	An unorthodox metal-free synthesis of dihydro-6H-quinoline-5-ones in ethanol/water using a non-nucleophilic base and their cytotoxic studies on human cancer cell line - New Journal of Chemistry (RSC Publishing)	Scopus preview - Scopus - Sources
Characterizing quantum correlations in a fixed-input n-local network scenario	Kaushiki Mukherjee, Biswajit Paul and Arup Roy	Mathematics	Physical Review A	2020-2021	ISSN 2469-9934 (online) 2469-9926 (print)	Physical Review A (aps.org)	Phys. Rev. A 101, 032328 (2020) - Characterizing quantum correlations in a fixed-input n-local network scenario (aps.org)	Scopus preview - Scopus - Sources
2019-2020								
Restricted distribution of quantum correlations in bilocal network	Kaushiki Mukherjee	Mathematics	Quantum Information Processing	2019-2020	EISSN 1573-1332	Quantum Information Processing	Home (springer.com)	Restricted distribution of quantum correlations in bilocal network	SpringerLink	Scopus preview - Scopus - Sources
Human Capital Accumulation In Two Sector Endogenous Growth Model: Special Emphasis On Service Good – A Comparative Static Analysis	Senjuti Gupta	Economics	Elementary Education Online	2019-2020	ISSN:1305-3515	Elementary Education Online (ilkogretim-online.org)	https://ilkogretim-online.org/index.php/pub/article/view/7696	Scopus preview - Scopus - Sources
OPTIMAL TAX POLICY IN AN ENDOGENOUS GROWTH MODEL WITH A CONSUMABLE SERVICE GOOD	Senjuti Gupta	Economics	Economic Annals	2019-2020	ISSN:0013-3264	Economic Annals	Економски факултет (bg.ac.rs)	Optimal tax policy in an endogenous growth model with a consumable service good – DOAJ	Scopus preview - Scopus - Sources

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Service Good as an Intermediate Input and Optimal Government Policy in an Endogenous Growth	Senjuti Gupta	Economics	South Asian Journal of Macroeconomics and Public Finance	2019-2020	ISSN: 2277-9787 E-ISSN: 2321-0273	South Asian Journal of Macroeconomics and Public Finance: Sage Journals (sagepub.com)	Service Good as an Intermediate Input and Optimal Government Policy in an Endogenous Growth Model - Senjuti Gupta, Bidisha Chakraborty, Tanmoyee Banerjee (Chatterjee), 2019 (sagepub.com)	Scopus preview - Scopus - Sources

2018-2019

| Bell-CHSH violation under global unitary operations: Necessary and sufficient conditions | Ganguly, N., Mukherjee, A., Roy, A., Bhattacharya, S. S., Paul, B. and Mukherjee, K. | Mathematics | International Journal of Quantum Information | 2018-2019 | ISSN (print): 0219-7499 ISSN (online): 1793-6918 | International Journal of Quantum Information (worldscientific.com) | Bell-CHSH violation under global unitary operations: Necessary and sufficient conditions | International Journal of Quantum Information (worldscientific.com) | https://www.scopus.com/sources.uri |
| The flux distribution of individual blazars as a key to understand the dynamics of particle acceleration | Atreyee Sinha, Rukaiya Khatoon, Ranjeev Misra, Sunder Sahayanathan, Soma Mandal, Rupjyoti Gogoi, Nilay Bhatt, | Physics | Monthly Notices of the Royal Astronomical Society: Letters | 2018-2019 | Online ISSN 1745-3933 Print ISSN 1745-3925 | Monthly Notices of the Royal Astronomical Society: Letters | Oxford Academic (oup.com) | flux distribution of individual blazars as a key to understand the dynamics of particle acceleration | Monthly Notices of the Royal Astronomical Society: Letters | Oxford Academic (oup.com) | https://www.scopus.com/sources.uri |

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Criteria 3- Research, Innovations and Extension

3.3- Research Publication and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC website during the last five years

Link re-directing to journal source-cite website in case of digital journals

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"Identification of Naturally Occurring Carbazole Alkaloids Isolated from Murraya koenigii and Glycosmis pentaphylla by the Preparation of HPLC Fingerprint"	Mumu Chakraborty	Chemistry	Journal of Scientific Research, Rajshahi University	2070-0237 2070-0245	Journal of Scientific Research (banglajol.info)	Identification of Naturally Occurring Carbazole Alkaloids Isolated from *Murraya koenigii* and *Glycosmis pentaphylla* by the Preparation of HPLC Fingerprint | Journal of Scientific Research (banglajol.info)	Yes, UGC CARE
Spatio-temporal Analysis of Crop Combination and Productivity in Purba Barddhaman District, West Bengal	Suradhuni Ghosh	Geography	Geographical Review of India	0375-6386	Geographical Society of India – Kolkata	Automatically generated PDF from existing images. (govtgirlsekbalpur.com)	Yes, UGC CARE
Revealing hidden steering nonlocality in a quantum network	Kaushiki Mukherjee, Biswajit Paul and Soma Mandal	Mathematics Physics	Eur. Phys. J. D	1434-6079 1434-6060	The European Physical Journal D (EPJ D)	Revealing hidden steering nonlocality in a quantum network | The European Physical Journal D (springer.com)	Yes, Scopus

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Website: www.govtgirlsekbalpur.com

Ref. No. : ....   Date : ....

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Service Sector, Human Capital Accumulation And Exogenous Growth Model	Senjuti Gupta	Economics	Elementary Education Online	1305-3515	Elementary Education Online (ilkogretim-online.org)	Service Sector, Human Capital Accumulation And Exogenous Growth Model | Elementary Education Online (ilkogretim-online.org)	Yes, Scopus
Endogenous Growth Model In A Two Sector Competitive Economy: Service Good Used As A Factor Input In Commodity Sector	Senjuti Gupta	Economics	Elementary Education Online	1305-3515	Elementary Education Online (ilkogretim-online.org)	Endogenous Growth Model In A Two Sector Competitive Economy: Service Good Used As A Factor Input In Commodity Sector | Elementary Education Online (ilkogretim-online.org)	Yes, Scopus
Service Sector And Optimal Taxation In An Endogenous Growth Model	Senjuti Gupta	Economics	Elementary Education Online	1305-3515	Elementary Education Online (ilkogretim-online.org)	Service Sector And Optimal Taxation In An Endogenous Growth Model | Elementary Education Online (ilkogretim-online.org)	Yes, Scopus
CLIMATE CHANGE AND ENDANGERED LIVELIHOOD IN INDIAN SUNDARBANS- A BASELINE APPRAISAL	Rajashree Dasgupta	Geography	International Journal of Interdisciplinary Organizational Studies	2324-7649 2324-7657	The International Journal of Interdisciplinary Organizational Studies (scholar-organizationalstudies.org)	The International Journal of Interdisciplinary Organizational Studies (scholar-organizationalstudies.org)	Yes, Scopus
KOLKATA CITY AND ITS DETERIORATING SLUM ENVIRONMENTIN TERMS OF HEALTH AND NUTRITION STATUS- ISSUES IN PERSPECTIVE	Rajashree Dasgupta	Geography	Russian Law Journal Open Access	2309-8678E- 2312-3605	Russian Law Journal	KOLKATA CITY AND ITS DETERIORATING SLUM ENVIRONMENT IN TERMS OF HEALTH AND NUTRITION STATUS - ISSUES IN PERSPECTIVE | Russian Law Journal	Yes, Scopus
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Title of paper	Name of the author/s	Department	Name of the Journal	ISSN No.	Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
Reactions of the carbazole alkaloi mahanimbine with mineral acid, Lewis acid and m-chloroperbenzoic acid"	Mumu Chakraborty	Chemistry	Indian Journal of Chemistry, Section-B	0376-4699 0975-0983	Indian Journal of Chemistry -Section B (IJC-B) (niscair.res.in)	<p>Reactions of the carbazole alkaloid Mahanimbine with mineral acid,
 Lewis acid and m-chloroperbenzoic acid</p><p> </p> | Chakraborty | Indian Journal of Chemistry -Section B (IJC-B) (niscair.res.in)	Yes, Scopus
"Mumunine-a new carbazole alkaloid from Murraya koenigii(Linn.) Spreng"	Mumu Chakraborty	Chemistry	Journal of Scientific Research, Rajshahi University	2070-0237 2070-0245	Journal of Scientific Research (banglajol.info)	Mumunine - A New Carbazole Alkaloid from <i>Murraya koenigii</i> (Linn.) Spreng | Journal of Scientific Research (banglajol.info)	Yes, UGC CARE
An unorthodox metal-free synthesis of dihydro6H-quinoline-5-ones in ethanol/water using a non-nucleophilic base and their cytotoxic studies on human cancer cell line	Arijit Kundu, **Bhaswati Bhattacharyya,** Kaliprsanna Dhara, Subhobrata Paul, Indira Majumder and Rita Kundu	Chemistry	New J. Chem.	1144-0546 1369-9261	New Journal of Chemistry (rsc.org)	An unorthodox metal-free synthesis of dihydro-6H-quinoline-5-ones in ethanol/water using a non-nucleophilic base and their cytotoxic studies on human cancer cell line - New Journal of Chemistry (RSC Publishing)	Yes, Scopus
Characterizing quantum correlations in a fixed-input n-local network scenario	**Kaushiki Mukherjee,** **Biswajit Paul** and Arup Roy	Mathematics	Physical Review A	2469-9934 (online) 2469-9926 (print)	Physical Review A (aps.org)	Phys. Rev. A 101, 032328 (2020) - Characterizing quantum correlations in a fixed-input n-local network scenario (aps.org)	Yes, Scopus

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Restricted distribution of quantum correlations in bilocal network	Kaushiki Mukherjee	Mathematics	Quantum Information Processing	1573-1332	Home	Quantum Information Processing (springer.com)	Restricted distribution of quantum correlations in bilocal network	Quantum Information Processing (springer.com)	Yes, Scopus
Human Capital Accumulation In Two Sector Endogenous Growth Model: Special Emphasis On Service Good – A Comparative Static Analysis	Senjuti Gupta	Economics	Elementary Education Online	1305-3515	Elementary Education Online (ilkogretim-online.org)	Human Capital Accumulation In Two Sector Endogenous Growth Model: Special Emphasis On Service Good – A Comparative Static Analysis	Elementary Education Online (ilkogretim-online.org)	Yes, Scopus
OPTIMAL TAX POLICY IN AN ENDOGENOUS GROWTH MODEL WITH A CONSUMABLE SERVICE GOOD	Senjuti Gupta	Economics	Economic Annals	0013-3264	Economic Annals	Економски факултет (bg.ac.rs)	Optimal tax policy in an endogenous growth model with a consumable service good – DOAJ	Yes, Scopus
Service Good as an Intermediate Input and Optimal Government Policy in an Endogenous Growth	Senjuti Gupta	Economics	South Asian Journal of Macroeconomics and Public Finance	2277-9787 2321-0273	South Asian Journal of Macroeconomics and Public Finance: Sage Journals (sagepub.com)	Service Good as an Intermediate Input and Optimal Government Policy in an Endogenous Growth Model - Senjuti Gupta, Bidisha Chakraborty, Tanmoyee Banerjee (Chatterjee), 2019 (sagepub.com)	Yes, Scopus

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Criteria 3- Research, Innovations and Extension

3.3- Research Publication and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC website during the last five years

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2018-2019

Title of paper	Name of the author/s	Department	Name of the Journal	ISSN No.	Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
Bell-CHSH violation under global unitary operations: Necessary and sufficient conditions	Ganguly, N., Mukherjee, A., Roy, A., Bhattacharya, S. S., Paul, B. and **Mukherjee, K.**	Mathematics	International Journal of Quantum Information	0219-7499 1793-6918	International Journal of Quantum Information (worldscientific.com)	Bell-CHSH violation under global unitary operations: Necessary and sufficient conditions | International Journal of Quantum Information (worldscientific.com)	Yes, Scopus
The flux distribution of individual blazars as a key to understand the dynamics of particle acceleration	Atreyee Sinha, Rukaiya Khatoon, Ranjeev Misra, Sunder Sahayanathan, **Soma Mandal**, Rupjyoti Gogoi, Nilay Bhatt,	Physics	Monthly Notices of the Royal Astronomical Society: Letters	1745-3933 1745-3925	Monthly Notices of the Royal Astronomical Society: Letters | Oxford Academic (oup.com)	flux distribution of individual blazars as a key to understand the dynamics of particle acceleration | Monthly Notices of the Royal Astronomical Society: Letters | Oxford Academic (oup.com)	Yes, Scopus

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مجلّة كاليكوت
KALIKOOT

المجلد الثاني عشر – العدد الثالث: سبتمبر – ديسمبر٢٠٢٢

١٨

اليوم العالمي للغة العربية

انعكاس الإيديولوجية وصراعها في ثلاثية القاهرة لنجيب محفوظ

عبد المتين وسيم الدين، الباحث بقسم اللغة العربية وآدابها، جامعة عالية، كولكاتا، الهند؛ والأستاذ المساعد بكلية الشهادات العامة الحكومية للبنات التابعة لجامعة كلكتة، الهند

المدخل:

الإيديولوجية هي ملمح فكري وميدان رحب للبحث في الدراسات الأدبية، ويسع معظم مجالات الحياة الاجتماعية والثقافية والسياسية والنفسية والتربوية والاقتصادية والإعلامية، وعقيدة تتصل بقيم ثقافية واجتماعية وسياسية، ولا تتكون بقرار ولا تأتي من العدم، وإنما هي ضرب من الولادة عبر عملية تاريخية معقدة. وعلاقتها بالعمل الأدبي الروائي علاقة وثيقة، فهي الجزء الرئيس في خلق تناقضات الرواية. فالكاتب لا يكتب من فراغ، بل كتابته جزء من إيديولوجيته وثقافته، ومضمونه مستمد من بيئته ومحيطه. وكانت علاقة نجيب محفوظ بمصر وطيدة، فنجده في معظم أعماله يناجيها ويستمع إلى نبضها، فرواياته انعكاس واضح لتاريخ وأماكن وحوادث مصر. وأما ثلاثية القاهرة فهي عمل روائي ضخم يمثل واقع الشعب المصري عبر ثلاثة أجيال، ويبرز ثلاثة أطوار فكرية تمثل المجتمع المصري، فالجزء الأول بين القصرين يمثل حقيقة الإيمان بالأشياء والاستسلام لها في ميدان الدين

والسياسة، أما الجزء الثاني قصر الشوق فهو ميدان الشك والتردد والحيرة بكل القيم والحقائق بالعلم والإيمان والحب والأب. وأما الجزء الثالث السكرية فهو الانتماء والوعي للقيم والمبادئ، والأفكار هو شعارها.

الكلمات المفتاحية:

نجيب محفوظ، وثلاثية القاهرة، والإيديولوجية، والمجتمع، والانتماء الإيديولوجي، والخلاف الإيديولوجي، والصراع الفكري، والدين وأتباعه، والشيوعية، وجماعة الإخوان المسلمين، والاتجاهات والأفكار، والعلم والإيمان.

نبذة عن الروائي:

أ – حياته: هو نجيب محفوظ روائي وكاتب مصري، وأول أديب عربي نال جائزة نوبل في الأدب. وُلد ونشأ في حي الحسين عام ١٩١١، وتلقى تعليمه الابتدائي في مدرسة الحسينية بالقاهرة ثم أتم مرحلته الثانوية في مدرسة فؤاد الأول الثانوية، وحصل على ليسانس الآداب من قسم الفلسفة عام ١٩٣٤، وكان هو الأصغر لستة أشقاء. وعمل معظم حياته بالوظائف

Kalikoot

GEOGRAPHICAL
REVIEW
OF INDIA

VOL. 84,   NO. 1 & 2

MARCH
&
JUNE, 2022

GEOGRAPHICAL REVIEW OF INDIA

CONTENTS

N.B.:– Issue Nos 1&2 have been combined to update the backlog due to Covid-19 Pandemic.

Spatio-Temporal Analysis of Crop Combination and Productivity in Purba Barddhaman District, West Bengal

Souvik Kundu¹ and Suradhuni Ghosh²

Abstract : *The state of West Bengal has obtained top position in India for the highest quantity of paddy production. Besides, undivided Barddhaman district is known as the "rice bowl" of the state for extensive cultivation of this crop. Since 2017, eastern part of the district is known as East Barddhaman district and is more productive than the West Barddhaman district in terms of agriculture. After Green Revolution in India, modern inputs, the change in crop combination, crop rotation etc. have increased the agricultural productivity of the district but not uniformly. In this context, block level changing scenario obtained from spatio - temporal analysis of crop combination, using Weaver's method and from the analysis of productivity of major crops, using Shafi's technique of Overall Yield Index of the area under present East Barddhaman district, from 2004- 05 to 2016-17, is highlighted. It reveals the more improvement of peripheral C. D. blocks than those of core area in the district.*

Key Words: *Crop combination, crop rotation, green revolution, overall yield index, productivity.*

Introduction

Agriculture is one of the most important primary sectors of India and is highly dependent on geographical as well as socio- economic factors. Geographical factors most importantly create a foundation for manipulated socio-economic background and affect various aspects of agricultural activity both directly and indirectly (Singh and Dhillon, 1984).

According to De (1990) the district as a whole, has a good geographical background, providing fertile alluvial soil with a complex network of various rain-fed rivers originating from Chotanagpur plateau in the west. Though the impact of a few physical constraints, such as lateritic soil, rugged terrain, scarcity of water in dry season etc. decrease from west to east in the region, the Purba Barddhaman is more engaged in agricultural pursuits than the western part (De, 1990). However, labelling the district by "rice bowl" is good for many aspects but not for all. Too much emphasis on rice production is not healthy crop culture in the long run. So, diversification in crop combination is needed for consideration. This helps for betterment of productivity by providing opportunities

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