



ST. ALOYSIUS' COLLEGE

AUTONOMOUS
JABALPUR- 482001
MADHYA PRADESH, INDIA

CRITERION-3

RESEARCH, INNOVATIONS AND EXTENSION

Key Indicator – 3.4

Research Publications and Awards



Metric No.: 3.4.4

Books/Chapters Published



Document Name

Other Relevant Information

2022-2023





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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Research Publications and Awards

3.4.4 Books/ Chapters Published

2022-2023

Sl. No.	Name of the Teacher	Department	Title of the Chapter published	Title of the Book published
1.	Dr. Fr. Valan Arasu Dr. Mita Darbari	Economics Mathematics	Edited Book	Cogitations on Advances in Physical and Mathematical Sciences
2.	Dr. Akhilesh Pathak	Mathematics	Authored Book	Fixed point theorems with respect to different contraction maps
3.	Dr. Fr. Valan Arasu Dr. Sonal Rai DR. Rupali Ahluwalia, Dr. Tarvinder K. Ghai Dr. Ashu Jain	Economics Commerce	Edited Book	“Reskilling and Upskilling for Future Industry and Business.”
4.	Dr. Vishwas Patel & Dr. Tuhina Johri	Political Science	Edited Book	Right To Information Act 2005: Theory and Practice
5.	Dr. Laxmi Kant Pandey Dr. Zareen Baksh Mr. Enosh Phillips Mr. Nitin Swamy	Biotechnology Botany	Edited Book	Environmental Education
6.	Dr. Femina Sobin & Dr. Laxmi Kant Pandey	Botany Biotechnology	Book authored	Bioremediation of Distillery Effluent – A bacterial Study.
7.	Dr. Fr. Valan Arasu Dr. Abhilasha Shukla	Economics Hindi	Edited Book	Kavya rishi Pradeep or Neeraj Ki Rachanawo me Rastravad evam Samajik Sarokar
8.	Dr. Fr. Valan Arasu Dr. Anjali D'souza	Economics Chemistry	Edited Book	COVID-19: Challenges and Management
9.	Mrs. Roshni Choubey	Botany	Herbal immunity booster: Positive and Negative aspects,30, PP:394- 419. 2022	COVID-19: Challenges and Management



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10.	Dr. Mamta Gokhale	Botany	Biofertilizers for sustainable Agriculture In: Fundamentals of Agriculture and crop production (Research and Applied) ISBN:978-93-94779-73-0 (2022).	Biofertilizers for sustainable Agriculture In: Fundamentals of Agriculture and crop production
11.	Dr. Mamta Gokhale	Botany	Oroxylum Indicum: from Utilization & Exploitation to Preservation. IN: Biodiversity and Sustainable Resource Management (Basic to Research)	Biodiversity and Sustainable Resource Management (Basic to Research) Ed: Dr. Debabrata Das
12.	Dr. Femina Sobin	Botany	Fighting COVID: Post COVID care strategies, 20, PP:271-278	COVID-19: Challenges and Management
13.	Dr. Laxmi Kant Pandey	Biotechnology	The Covid-19 Psychological Wellbeing Study,	Post-Traumatic Stress Disorder After Covid Recovery.
14.	Mr. Enosh Phillips	Biotechnology	Handbooks of biofuel	Nanotechnological interventions in biofuel production.
15.	Dr. Rumana Faraz	Biotechnology	Biofertilizers for sustainable Agriculture	Fundamentals of Agriculture & crop production (Research and Applied)
16.	Mr. Nitin Swamy	Biotechnology	Covid-19 Challenges and Management	Role of Traditional Medicine in Covid-19;
17.	Mr. Nitin Swamy	Biotechnology	Covid-19 Challenges and Management	A Scientific Comparison of Covid-19 and Spanish Influenza Pandemic Affecting the Human Race a Century Apart
18.	Mr. Nitin Swamy	Biotechnology	Covid-19 Challenges and Management	Eminence of Genome Sequencing in Covid-19 Management;
19.	Dr. Smarika Lawrence	Chemistry	Knowledge of General Medication	Covid-19; Challenges and Management
20.	Dr Sutapa Roy	Chemistry	An overview-determination of phosphate in water samples for recognizing its impact on human health	Covid-19; Challenges and Management
21.	Dr Sutapa Roy	Chemistry	A scientific comparison of Covid-19 and Spanish Influenza; pandemic affecting the human race a century apart	Covid-19; Challenges and Management



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22.	Dr. Neelanjana Pathak	English	Variety and Versatility of Verse: Deliberations on Khandelwal's Dwelling with Denial Quintessence of Emotions	Man and his Self-Critiques, Vol.2 (23-33) ed. Shobha Diwakar
23.	Dr Priyanka Sinha	Zoology	Role Of Immunity In Covid Era- Herd Immunity	COVID 19 Challenges & Management
24.	Dr. Runa Paul	Zoology	Survey In Pet Dogs Against COVID 19	COVID 19 Challenges & Management
25.	Dr. Anjali D'souza	Chemistry	COVID -19: Role of STEROIDS	COVID-19: Challenges and Management
26.	Dr. Priyanka Sinha	Zoology	Vermicompost Training: One Step towards Entrepreneur	New Dimension of life science in the perspective of sustainable development Goal
27.	Dr. Nisha Pandey	Physics	Synthesis and crystalline properties of reduced graphene oxide (r-GO) reinforced PVA nano composite	Cogitations on Advances in Physical and Mathematical Sciences
28.	Dr. Poonam Pendke	Physics	Synthesis and crystalline properties of reduced graphene oxide (r-GO) reinforced PVA nano composite	Cogitations on Advances in Physical and Mathematical Sciences
29.	Dr. Sushama Pillai	Education	Prem or Virah ke Gajal Gayak Neeraj	Kavya rishi Pradeep or Neeraj Ki rachanawo me Rastravad evam Samajik Sarokar
30.	DR. Roshan Lal Sondhiya	Education	Bhartiya ratriya shiksha neeti 2020aatamnirbhar koshal bharat ka ek ubharta huaa vikalp	National education policy (nep) 2020
31.	Mr. Virendra kumar chutelkar	Education	Chousath yogini mandir ka puratatvik aadhayan	Health management and humanities promises and challenges
32.	Dr. Mita Darbari	Mathematics	Primitive Pythagorean Triangles and Mersenne Primes	Cogitations on Advances in Physical and Mathematical Sciences
33.	Dr. Mita Darbari	Mathematics	Special Pythagorean Triangles and Fermat Primes	Cogitations on Advances in Physical and Mathematical Sciences
34.	Dr. Akhilesh Pathak	Mathematics	Fixed Point Theorems Under PGA Contraction in G-Metric Spaces	Cogitations on Advances in Physical and Mathematical Sciences
35.	Dr. Pratibha Richhariya	Mathematics	g - α Irresolute Homeomorphism	Cogitations on Advances in Physical and Mathematical Sciences



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36.	Dr. Archana Pasari	Mathematics	An Easy Method To Find fourth power of 11 To 19 By Vedic Mathematics”	Cogitations on Advances in Physical and Mathematical Sciences
37.	Dr. Satyendra Jain	Mathematics	Fixed Point Theorems Under PGA Contraction in G-Metric Spaces	Cogitations on Advances in Physical and Mathematical Sciences
38.	Dr. Anthonima Robin	Economics	Impact of New Education Policy 2020 on Higher Education	New Education Policy 2020
39.	Dr. Renu Markande	Economics	Role of New Education Policy 2020 to fostering Skill Development and Vocational Training	New Education Policy 2020
40.	Dr. Tuhina Johri	Political Science	Constitutional Progress of the Right to Information	Right to Information Act 2005: Theory and Practice
41.	Dr. Vishwas Patel	Political Science	Constitutional Progress of the Right to Information	Right to Information Act 2005: Theory and Practice
42.	Dr. Rashmi Patras	Management	Upskilling and Reskilling Talent:A strategic Human Resource Management Approach in New Digital Era in Post Pandemic	“Reskilling and Upskilling for Future Industry and Business.”
43.	Dr. Shraddha Shrivastava	Management	Upskilling and Reskilling is a Need of an Hour in Higher Education	“Reskilling and Upskilling for Future Industry and Business.”
44.	Dr Rashmi Singh	Mangement	Study of skill Development in Health Industry	“Reskilling and Upskilling for Future Industry and Business.”
45.	Dr. Chitranshi Verma	Management	An Analytical study of Impact of training programs on Employee Development with special reference to Indian Context	“Reskilling and Upskilling for Future Industry and Business.”
46.	Dr. Shraddha Shrivastava	Management	A study of effect of Covid -19 on the Tourism Sector and its related industries in India	The Future of Indian Economy Challenges & Opportunities
47.	Dr. Sanjay Kumar Rajak	Commerce	“Post Pandemic Business and Industry Operations.”	“Reskilling and Upskilling for Future Industry and Business.”
48.	Dr. Ashu Jain	Commerce	Post Pandemic Industry and Business Operation: A Win-Win Situation for Employees	“Reskilling and Upskilling for Future Industry and Business.”
49.	Dr. Ashu Jain	Commerce	NEP: An ambitious step towards making India Self- Reliant” published	Impact of NEP 2020 on Higher Education



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			in the book titled, National Education policy 2020	
50.	Dr. Dilip Koshta	Commerce	भारतीय अर्थव्यवस्था पर डिजिटलाइजेशन का प्रभाव और वित्तीय साक्षरता की आवश्यकता'	भारतीय अर्थव्यवस्था भाविष्य, अवसर एवं चुनौतियाँ
51.	Dr. Dilip Koshta	Commerce	नई शिक्षा नीति -2020 का विश्लेषणात्मक अध्ययन." (समस्याएं, चुनौतियाँ, अवसर और आलोचना)	राष्ट्रीय शिक्षा नीति - 2020
52.	Dr. Dilip Koshta	Commerce	A study on the Impact of Change in Technology Efficiency of India.	"Reskilling and Upskilling for Future Industry and Business."
53.	Dr. Sunil Kumar Tiwari	Commerce	नई शिक्षा नीति -2020 का विश्लेषणात्मक अध्ययन." (समस्याएं, चुनौतियाँ, अवसर और आलोचना)	राष्ट्रीय शिक्षा नीति - 2020
54.	Dr. Sunil Kumar Tiwari	Commerce	नई शिक्षा नीति - 2020 के सुचारू रूप से क्रियान्वयन में शिक्षकों की भूमिका का विश्लेषणात्मक अध्ययन	राष्ट्रीय शिक्षा नीति - 2020
55.	Dr. Sunil Kumar Tiwari	Commerce	भारतीय अर्थव्यवस्था पर डिजिटलाइजेशन का प्रभाव और वित्तीय साक्षरता की आवश्यकता'	भारतीय अर्थव्यवस्था भाविष्य, अवसर एवं चुनौतियाँ
56.	Dr. Pooja Gupta	Commerce	"Post Pandemic Impact on Manufacturing Industry Operations"	"Reskilling and Upskilling for Future Industry and Business."
57.	Dr. Yogesh Ashar	Commerce	Study of Future Workforce Changes Due to COVID-19 Pandemic, pg. no. 48-56	"Reskilling and Upskilling for Future Industry and Business."
58.	Dr. Yogesh Ashar	Commerce	नई शिक्षा नीति - 2020 के सुचारू रूप से क्रियान्वयन में शिक्षकों की भूमिका का विश्लेषणात्मक अध्ययन	राष्ट्रीय शिक्षा नीति - 2020
59.	Dr. Kudshiya Raza	Commerce	Up-Skilling and Reskilling Requirements for the Fourth Industrial	"Reskilling and Upskilling for Future Industry and Business."
60.	Dr. Nidhi Khurana	Commerce	Professional Training an Edge	"Reskilling and Upskilling for Future Industry and Business."
61.	Dr. Nidhi Khurana	Commerce	Sustainable Work Policies Imperative at Workplace	Sustainable Business Practices in VUCA World





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62.	Dr. Komal Rawat	Commerce	Professional Training an Edge	“Reskilling and Upskilling for Future Industry and Business.”
63.	Dr. Sarita Goel	Commerce	“Upskilling TVET Programmes in the Time of Covid -19” for Edited book on International Conference proceedings	“Reskilling and Upskilling for Future Industry and Business.”
64.	Dr. Sarita Goel	Commerce	“Implementing NEP 2020 in Madhya Pradesh: Challenges and Opportunities”, Page No. 92-98.	Impact of NEP 2020 on Higher Education,
65.	Dr. Sarita Goel	Commerce	“Sustainable Development for Industrial MSME Business – A Critical Analysis (Special Reference to an Energy Sustainability Approach), Page: 59-63	Role of MSME in Sustainable Development,
66.	Dr. Sarita Goel	Commerce	“Implementing National Education Policy 2020: Challenges and Opportunities”, Page No. 99-103.	Impact of NEP 2020 on Higher Education,
67.	Dr. Ekta Mukar	Commerce	“MSME- An Emerging Pillar of Indian Economy”	Role of MSME In Sustainable Development
68.	Ms.Nidhi Rajak	Commerce	Innovation in education: Future in process	Innovation in present scenario
69.	Mr. Jatin Anand	Commerce	MSME AND SUSTAINABLE DEVELOPMENT: A Study Describing Significant Role Of Msme In Sustainable Development	Role of MSME In Sustainable Development
70.	Dr. Mandira Kar	Mathematics	Mathematical Heritage and India's Contribution	Scientific Approach for Self-Reliant India
71.	Dr. Mandira Kar	Mathematics	Optimization Models with Real-World Perspective	Scientific Approach for Self-Reliant India
72.	Dr. Laxmikant Pandey	Mathematics	Post-Traumatic Stress Disorder after Covid Recovery: The COVID-19 Psychological wellbeing Study	COVID-19 Challenges & Management
73.	Dr. Sweta Likhitkar	Chemistry	An Overview on Synthesis and	COVID-19 Challenges & Management



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			Characterization of Nano Particles	
74.	Dr. Manju Gupta	Chemistry	An overview-determination of phosphate in water samples for recognising its impact on human health	Covid-19; Challenges and Management
75.	Dr. Carolin Saini	Hindi	Neeraj ke Filmi gair Filmi Geeton me kaaynaat ke kaaljayi manjaron ka prakruti Saundarya	Kavya rishi Pradeep or Neeraj Ki rachanawo me Rastravad evam Samajik Sarokar
76	Dr. Preeti Jain	Commerce	Covid 19 Effects on Economic sectors of India and strategies for business survival	The Future of Indian Economy Challenges & Opportunities
77	Dr. Meenakshi Swamy	Commerce	Covid 19 Effects on Economic sectors of India and strategies for business survival	The Future of Indian Economy Challenges & Opportunities
78	Dr. Sonal Rai	Commerce	“Institute for Building Skilled Workforce for Industry 4.0”.	“Reskilling and Upskilling for Future Industry and Business.”
79	Dr. Rupali Ahluwalia	Commerce	Up skilling for the New Normal: An Institutional Response	“Reskilling and Upskilling for Future Industry and Business.”
80	Dr Tarvinder Kaur	Commerce	Up skilling for the New Normal: An Institutional Response	“Reskilling and Upskilling for Future Industry and Business.”
81	Dr. Sunil Kumar Tiwari	Commerce	Skill Development in Indian Labor Force: Challenges & Opportunities	“Reskilling and Upskilling for Future Industry and Business.”
82	Dr. Harbaksh Moolchandani	Commerce	Professional Training: A Competitive Edge	“Reskilling and Upskilling for Future Industry and Business.”