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**3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years (2016-2021)**

**Session: 2019-20**


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S. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Is it listed in UGC CareList/Scopus/Web of Science/other, mention
1.	A review on virus protein self-assembly	Abha Chaudhary	Chemistry	Journal of Nanoparticle Research	2019	1388-0764 (print); 1572-896X (web)	Web of science, Scopus
2.	Strategic Competitive Advantage in Banking Industry: Evidence from Comparative Efficiency of Public Sector Banks and Private Sector Banks in India	Parmil Kumar	Commerce	Purakala	2020	0971-2143	<a href="https://ugccare.unipu.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002777&amp;flag=Search">https://ugccare.unipu.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002777&amp;flag=Search</a>
3.	Does the Fulfilment of Societal Responsibilities have an impact on the Profitability? Evidence from Indian Banking Industry- A Comparative Study of Public Sector Banks and Private Sector Banks in India	Parmil Kumar	Commerce	Tathapi	2020	2320-0693	<a href="https://ugccare.unipu.ac.in/Apps1/User/WebA/Alphabetwiselist?alphabet=T">https://ugccare.unipu.ac.in/Apps1/User/WebA/Alphabetwiselist?alphabet=T</a>
4.	Job satisfaction in Banking Sector: A Comparative Study of Public and Private sector banks	Shagun Ahuja	Commerce	Our Heritage Journal	2020	0474-9030	<a href="https://ugccare.unipu.ac.in/Apps1/User/WebA/Alphabetwiselist?alphabet=O">https://ugccare.unipu.ac.in/Apps1/User/WebA/Alphabetwiselist?alphabet=O</a>

  
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5.	Internet of Things (IoT): Architecture, Challenges and Issues	Dimple Rani	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238 (Print)	Scopus Indexed
6.	Internet of Things (IoT): Architecture, Challenges and Issues	Ashok	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238 (Print)	Scopus Indexed
7.	Internet of Things (IoT): Architecture, Challenges and Issues	Ravi Kumar Barwal	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238 (Print)	Scopus Indexed
8.	Recent techniques of Extraction and Recognition Textual Information from Natural Scene: Review.	Ravi Kumar Barwal	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238	Scopus Indexed
9.	Recent techniques of Extraction and Recognition Textual Information from Natural Scene: Review.	Ashok	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238	Scopus Indexed
10.	Improved Magnetic and Microwave Properties of La-Substituted Barium Hexaferrite Screen-Printed Thick Films	Samiksha Verma	Physics	Journal of Superconductivity and Novel Magnetism	2020	1557-1939 / 1557-1947	Scopus Indexed, Web of Science
11.	Industrial Consumer Buying Behaviour Vs Medium, Small And Micro Enterprises (MSMEs) Sector Of Haryana: The Role Of Buying Centers	Naib Singh	Commerce	Mukt Shabd Journal	2020	2347-3150	<a href="https://ugccare.unipu.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002785&amp;flag=Search">https://ugccare.unipu.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002785&amp;flag=Search</a>
12.	Speckle denoising techniques in imaging systems	Karamjit Kaur	Computer Science	Journal of Optics	2020	2040-8986 2040-8978	Web of Science, Scopus

  
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1 .	A review on virus protein self-assembly	Abha Chaudhary	Chemistry	Journal of Nano particle Research	2019	1388-0764 (print); 1572-896X (web)	<a href="https://www.springer.com/journal/11051">https://www.springer.com/journal/11051</a>	<a href="https://link.springer.com/article/10.1007/s11051-019-4669-0">https://link.springer.com/article/10.1007/s11051-019-4669-0</a>	Web of science, Scopus
2 .	Strategic Competitive Advantage in Banking Industry: Evidence from Comparative Efficiency of Public Sector Banks and Private Sector Banks in India	Parmil Kumar	Commerce	Purakala	2020	0971-2143			<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002777&amp;flag=Search">https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002777&amp;flag=Search</a>



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4	Job satisfaction in Banking Sector: A Comparative Study of Public and Private sector banks	Shagun Ahuja	Commerce	Our Heritage Journal	2020	0474-9030	<a href="http://archives.ourheritagejournal.com/index.php/oh/login?source=%2Findex.php%2Foh">http://archives.ourheritagejournal.com/index.php/oh/login?source=%2Findex.php%2Foh</a>		<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/AlphabetwiseList?alphabet=O">https://ugccare.unipune.ac.in/Apps1/User/WebA/AlphabetwiseList?alphabet=O</a>
5	Internet of Things(IoT): Architecture, Challenges and Issues	Dimple Rani	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238 (Print)	<a href="http://sersc.org/">http://sersc.org/</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/24624">http://sersc.org/journals/index.php/IJAST/article/view/24624</a>	Scopus Indexed








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7	Internet of Things(IoT): Architecture, Challenges and Issues	Ravi Kumar Barwal	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238 (Print)	<a href="http://sersc.org/">http://sersc.org/</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/24624">http://sersc.org/journals/index.php/IJAST/article/view/24624</a>	Scopus Indexed
8	Recent techniques of Extraction and Recognition Textual Information from Natural Scene: Review.	Ravi Kumar Barwal	Computer Science	International Journal of Advanced Science and Technology	2020	2005-4238 (Print)	<a href="http://sersc.org/">http://sersc.org/</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/13242">http://sersc.org/journals/index.php/IJAST/article/view/13242</a>	Scopus Indexed



9	Recent techniques of Extraction and Recognition Textual Information from Natural Scene: Review.	Ashok	Computer Science	International Journal of Advanced Science and Technology	2005-04238 (Print)	<a href="http://sersc.org/">http://sersc.org/</a>	<a href="http://sersc.org/journals/index.php/IJAST/article/view/13242">http://sersc.org/journals/index.php/IJAST/article/view/13242</a>	Scopus Indexed
10	Improved Magnetic and Microwave Properties of La-Substituted Barium Hexaferrite Screen-Printed Thick Films	Samiksha Verma	Physics	Journal of Superconductivity and Novel Magnetism	2002 / 1557-1939 / 1557-1947	<a href="https://www.springer.com/journal/10948">https://www.springer.com/journal/10948</a>	<a href="https://link.springer.com/article/10.1007/s10948-020-05494-2">https://link.springer.com/article/10.1007/s10948-020-05494-2</a>	Scopus Indexed, Web of Science
11	Industrial Consumer Buying Behaviour Vs Medium, Small And Micro Enterprises (MSMEs) Sector Of Haryana: The Role Of Buying Centers	Naib Singh	Commerce	Mukt Shabd Journal	2020 / 2347-3150	<a href="http://shabdbooks.com/">http://shabdbooks.com/</a>	<a href="http://shabdbooks.com/gallery/360-april2020.pdf">http://shabdbooks.com/gallery/360-april2020.pdf</a>	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002785&amp;flag=Search">https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002785&amp;flag=Search</a>
12	Speckle denoising techniques in imaging systems	Karamjit Kaur	Computer Science	Journal of Optics	2020 / 2040-8986 / 2040-8978	<a href="https://iopscience.iop.org/g/journal/2040-8986">https://iopscience.iop.org/g/journal/2040-8986</a>	<a href="https://iopscience.iop.org/article/10.1088/2040-8986/ab8b7f">https://iopscience.iop.org/article/10.1088/2040-8986/ab8b7f</a>	Web of Science, Scopus

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# A review on virus protein self-assembly

[Abha Chaudhary](#) & [Ram Dhan Yadav](#) 

*Journal of Nanoparticle Research* **21**, Article number: 254 (2019) | [Cite this article](#)

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## Abstract

Proteins, the important biomacromolecules, have been magnificently applied to construct the protein self-assembled nanomaterials. The viruses are the largest reservoir of genetic material on the planet; the virus coat protein self-assemble is with very symmetric nanostructures that fascinate abundant interest and is one of the most fast emerging research area owing to its significant applications in practically every important region, i.e. in energy harvesting, in synthesis of nanoparticles, nanotubes, nanodrugs/medicine, nanobiotechnology, and superstructures. This review highlights the most recent studies on virus protein self-assembly with a focus on the recent literature about the effect of amino acids, pH, and charge on the virus protein self-assembly, recent examples of virus templates used for the self-assembly, and



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**Abha Chaudhary** ✕

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### Abstract

Proteins, the important biomacromolecules, have been magnificently applied to construct the protein self-assembled nanomaterials. The viruses are the largest reservoir of genetic material on the planet; the virus coat protein self-assemble is with very symmetric nanostructures that fascinate abundant interest and is one of the most fast emerging research area owing to its significant applications in practically every important region, i.e. in energy harvesting, in synthesis of nanoparticles, nanotubes, nanodrugs/medicine, nanobiotechnology, and

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*Purakala*  
(UGC Care Journal)

ISSN 0971-2143  
Vol-31-Issue-51-June -2020

**Strategic Competitive Advantage in Banking Industry: Evidence from Comparative Efficiency of Public Sector Banks and Private Sector Banks in India**

**Parmil Kumar<sup>1</sup>**  
*Associate Professor*  
**Dr. Anupam Sharma<sup>2</sup>**

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**ABSTRACT:** *A strategic competitive advantage to a banking organisation accrues due to its inherent capabilities to provide banking services efficiently so that it has an edge over its competitors. Being the banking functions almost similar, superior efficiency of operation leads to minimization of cost of operation and results in more profits for the organisation. This paper analyses and compares the efficiency of commercial banks in India using a set of parametric and non-parametric techniques. In past decades commercial banking sector has changed drastically in India, with the liberalisation of the economy and changing regulatory policies, moreover with the entry of large private sector banks, the completion has become stiff. Commercial banks acting as fuel injecting system of the economy, are the important players of the financial system as intermediaries in mobilizing of savings and allocating of funds for productive activities. Higher efficiency of operation leads to a competitive advantage, which is a must for survival in a turbulent highly competitive environment.*

**Key Words :** *Public Sector Banks (PSBs), Private Sector Banks (PrSBs), Intermediation cost to total assets, Business per employee, Cost of Deposits, Cost of Funds*

**INTRODUCTION:**

Strategic competitive advantage accrues to an organization as a result of the configuration of organizational tangible and intangible resources in such a manner that it provides an edge over its competitors. Tangible resources include land, building, plant equipment, distribution centers, etc. and intangible resources comprise intellectual resources, image resources, organizational culture, etc., if successfully configured, improve the organizational capabilities to gain necessary competitive advantage for the firm. Organizational capabilities are the skills and competencies that a firm uses to transform inputs into outputs efficiently. Efficiency is the ability of an organization to effectively

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52	Proceedings of the South Indian History Congress	General Secretary South Indian History Congress	2229-3671	NA	<a href="#">View</a>
53	Proceedings of the Zoological Society	Springer	0373-5893	0974-6919	Indexed in Scopus
54	Protection and Control of Modern Power Systems	Springer	2367-2617	2367-0983	Indexed in Scopus
55	Psychology of Women Section Review	British Psychological Society	1466-3724	NA	<a href="#">View</a>
56	Psychology, Community and Health	PsychOpen	NA	2182-438X	Discontinued from July 2021
57	Punjab University Journal of Mathematics	Department of Mathematics, University of Punjab	1016-2526	NA	<a href="#">View</a>
58	Purakala (print only)	Rock Art Society of India	0971-2143	NA	<a href="#">View</a>
59	Purana (print only)	All India Kashiraj Trust Fort	0555-7860	NA	<a href="#">View</a>
60	Purapravah	The Indian Archaeological Society	2454-	NA	<a href="#">View</a>

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3. Does the Fulfilment of Societal Responsibilities have an impact on the Profitability? Evidence from Indian Banking Industry- A Comparative Study of Public Sector Banks and Private Sector Banks in India	Parmil Kumar	Commerce	Tathapi	2020	2320-0693	<a href="https://ugcca.re.unipune.ac.in/Apps1/User/WebA/AlphaList?alpha bet=T">https://ugcca.re.unipune.ac.in/Apps1/User/WebA/AlphaList?alpha bet=T</a>
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*Tathapi*  
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ISSN:2320-0693  
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**Does the Fulfilment of Societal Responsibilities have an impact on the Profitability? Evidence from Indian Banking Industry- A Comparative Study of Public Sector Banks and Private Sector Banks in India**

**Parmil Kumar<sup>1</sup> Dr. Anupam Sharma<sup>2</sup>**

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**ABSTRACT:** *No doubt, profitability for an enterprise is, as important as oxygen for a living body, but socially responsible enterprises are admired, more by society. In India, it is the general opinion that private enterprise ignores the social aspects and aspirations of society and these entities have an emphasis on the maximization of profits only. Moreover, it is sometimes doubted, whether taking care of societal responsibilities have any adverse impact on the profitability of the enterprise. This paper analyses and compares the social targets achieved and the profitability of public sector banks and private sector banks in India from 2009-10 to 2018-19, using a set of parametric and non-parametric techniques.*

**Key Words:** *Public Sector Banks (PSBs), Private Sector Banks (PSBs), Priority sector advances to total advances, Secured advances to total advances, Wage bills to total expense, Return on Assets, Return on equity, Adjusted net bank credit.*

**INTRODUCTION:**

As economic institutions, the banks are expected to be more direct and more positively related to the performance of the economy than the other non-economic institutions. Banks are a necessary tool of the micro-economic stability of an economy. As a tool of credit creation as well as credit control, banks can check both deflation and inflation in the economy. The central bank of the country uses the banks as a tool, for the success of its monetary policy, keeping in mind the different objectives of a developing economy. Therefore banks are an indispensable instrument in the economy, towards which people of different sections look for help.

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4. Job satisfaction in Banking Sector: A Comparative Study of Public and Private sector banks	Shagun Ahuja	Commerce	Our Heritage Journal	2020	047 4- 903 0	<a href="http://archives.ourheritagejournal.com/index.php/online/login?source=%2Findex.php%2Fonline.php%2F%2Fissue%2Farchive">http://archives.ourheritagejournal.com/index.php/online/login?source=%2Findex.php%2Fonline.php%2F%2Fissue%2Farchive</a>	<a href="https://ugceca.re.unipune.ac.in/Apps1/Use r/Web A/Alp habet wiseList?alphabet= O">https://ugceca.re.unipune.ac.in/Apps1/Use r/Web A/Alp habet wiseList?alphabet= O</a>
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**Job Satisfaction in Banking Sector: A Comparative Study of Public and Private sector banks**

**Manisha Devi<sup>1</sup>**

Research scholar, Management Department, PTU Jalandhar (Kapurthala), [Manishakti8228@gmail.com](mailto:Manishakti8228@gmail.com),  
(M- 7015088972)

Under the supervision of

**Dr Parul Khanna<sup>2</sup>** Associate Professor, Management Department, Rayat Bahra institute of Management, Hoshiarpur.

**Dr Shagun Ahuja<sup>3</sup>** Associate Professor, Commerce Department, Govt. P.G. College Ambala Cantt.

**Abstract:** Employees are the backbone of any organization and they are considering the most precious asset among all the assets. Employee's satisfaction becomes the top priority issues in the banking industry. So the main aim of the study is to identify the job satisfaction level of the employees in public and private sector banks in Ambala district. In Ambala district, all employees who are working in public and private sector banks were the population of the study. Out of them 100 employees (50 from public banks and 50 from private banks) were selected as sample of the study. The main aim of the study is to find out the job satisfaction level of banking employees in Ambala district. The primary data is collected from the banking employees through structured questionnaire. The analysis are shown as bar chart that made from the responses



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### Internet of Things(IoT): Architecture, Challenges and Issues

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## Internet of Things(IoT): Architecture, Challenges and Issues

Dimple Rani<sup>1</sup>, Seema Grewal<sup>2</sup>, Malika Bhiyana<sup>3</sup>, Ashok<sup>4</sup>, Ravi Kumar Barwal<sup>5</sup>

<sup>1,2,4,5</sup> Assistant Professor, Govt PG College Ambala cantt

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**Keywords:** IoT (Internet of Things) , IoT Architecture, M2M, IoT Standardization, Thread and 6LoPAN.



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<sup>1,2,4,5</sup> *Assistant Professor, Govt PG College Ambala cantt*  
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### Recent techniques of Extraction and Recognition Textual Information from Natural Scene: Review

Ravi Kumar Barwal, Ashok, Neeraj Rohilla, Manisha saini



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Samiksha Verma, Santhoshkumar Mahadevan, Chhavi Pahwa, Anoop Pratap Singh, Sukhleen Bindra

**Samiksha Verma**

School of Physics and Materials Science, Thapar Institute of Engineering & Technology, Patiala, Punjab, 147004, India

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properties of screen-printed  $Ba_{1-x}La_xFe_{12}O_{19}$  ( $x = 0.0, 0.1, 0.15, 0.20$ ) thick films. Single phase P63/mmc was confirmed by X-ray diffraction patterns in fabricated thick films. SEM revealed dense packed microstructure with an average grain size of 2–3  $\mu\text{m}$  for all films. La-substituted films showed increase in magnetization, coercivity, magnetocrystalline anisotropy with enhancement in perpendicular anisotropy. Overall microwave absorbance was increased for La-substituted BaM in  $K_u$ -band.

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1 Journal of Superconductivity and Novel Magnetism	2.5	44% 230/411 Condensed Matter Physics	4,684	1,890	65

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It is certified that my publication "Improved magnetic and microwave Properties" Session:  
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11. Industrial Consumer Buying Behaviour Vs Medium, Small And Micro Enterprises (MSMEs) Sector Of Haryana: The Role Of Buying Centers	Naib Singh	Commerce	Mukt Shabd Journal	2020	2347-3150	<a href="http://shabdbooks.com/gallery/360-april2020.pdf">http://shabdbooks.com/gallery/360-april2020.pdf</a>	<a href="http://shabdbooks.com/gallery/360-april2020.pdf">http://shabdbooks.com/gallery/360-april2020.pdf</a>	<a href="https://ugcare.unipune.ac.in/Apps1/UseWebA/ViewDetails?JournalId=101002785&amp;flag=Search">https://ugcare.unipune.ac.in/Apps1/UseWebA/ViewDetails?JournalId=101002785&amp;flag=Search</a>
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The screenshot shows the website for Mukht Shabd Journal. The header includes navigation links: HOME, CALL FOR PAPERS, AUTHOR'S, EDITORIAL BOARD, CURRENT ISSUE, ARCHIVES, and CONTACT. The main banner features the journal's title, 'UGC CARE LIST GROUP - I JOURNAL', ISSN NO : 2347-3150, Impact Factor : 4.6, and the email submitmsj@gmail.com. Below the banner, there are links for GUIDELINES, Paper Format, Copyright form, Area covered : Multidisciplinary, Acceptance : Blind peer review, and Paper Submission : submitmsj@gmail.com. The main content area displays a search result for '2347-3150', showing one journal entry in a table.

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	Action
1	Mukt Shabd	Mukt Shabd	2347-3150	NA	<a href="#">View</a>

Showing 1 to 1 of 1 entries

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Mukt Shabd Journal

ISSN NO : 2347-3150

## INDUSTRIAL CONSUMER BUYING BEHAVIOUR Vs MEDIUM, SMALL AND MICRO ENTERPRISES (MSMEs) SECTOR OF HARYANA: The Role of Buying Centers

**Naib Singh**

Assistant Professor

Govt. P.G. College, Ambala Cantt. (Haryana)

### Abstract

Industrial buying behavior includes the decision making process by which formal industrial and other organizations establish the need for purchased products and services and identify, evaluate and choose among alternative brands and suppliers. Marketers are given due importance to the aspects of speed, efficiency, product quality, price and after-sale services. The market for industrial buyers is characterized by derived demand, a fewer buyers, highly concentrated, more vulnerable fluctuations in demand and greater cash inflow than consumer individual buyer markets. MSMEs face various types of challenges while making marketing its products. In Haryana most of the MSME units are skill based units. Scientific industry of the state is world famous industry but this industry faces various challenges in the marketing of its products. MSMEs have been divided into three main categories. In 1966-67 only 4,753 MSMEs were working in the state which has



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Journal Title (in English Language)	Mukt Shabd (print only)   <a href="#">(Current Table of Content)</a>
Journal Title (in Regional Language)	मुक्त शब्द (print only)
Publication Language	Marathi
Publisher	Shabd Publication
ISSN	2347-3150
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	Literature and Literary Theory



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12. Speckle denoising techniques in imaging systems	Karamjit Kaur	Computer Science	Journal of Optics	2020	2040-8986, 2040-8978	<a href="https://iopscience.iop.org/journal/2040-8986">https://iopscience.iop.org/journal/2040-8986</a>	<a href="https://iopscience.iop.org/article/10.1088/2040-8986/ab8b7f">https://iopscience.iop.org/article/10.1088/2040-8986/ab8b7f</a>	Web of Science, Scopus
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The screenshot shows the homepage of the Journal of Optics website. At the top, there is a navigation bar with the IOPscience logo and links for Journals, Books, Publishing Support, and Login. Below this, the title "Journal of Optics" is displayed. The main content area is divided into several sections:

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- Current volume:** A dropdown menu shows "Number 7, July 2022" with a "Go" button.
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## Topical Review

# Speckle denoising techniques in imaging systems

Manoj Kumar<sup>1</sup>, Yassine Tounsi<sup>2</sup>, Karmjit Kaur<sup>3</sup>, Abdelkrim Nassim<sup>2</sup>,  
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## Abstract

In digital coherent imaging and measurement systems, the image/fringe pattern quality is severely degraded by multiplicative uncorrelated noise, called speckle, resulting due to the coherent nature of the light source, which restricts the development of several applications of these systems in various fields. Digital holography, holographic interferometry, speckle metrology, and shearography are the most revealing non-invasive imaging and measurement tools in many areas including scientific, engineering, biomedical, and industrial applications. However, the presence of undesired speckle noise in the processed image/phase distribution may lead to ambiguity in the observation or analysis of the associated physical parameters, and thus, limit their applications in many fields. To overcome this problem, a variety of algorithms/methods/techniques have been developed to eliminate the inherent speckle-noise introduced in the images/phase distribution obtained from these systems, depending on the requirement and the understanding of the noise characteristics. The speckle denoising is the pre-processing step in these systems and their performance determines the accuracy of the measured physical parameter. This review article aims to cover some important state-of-art speckle denoising algorithms. For the purpose of demonstration, the performance and comprehensive study of these algorithms are evaluated on simulation and experimental data.

**Keywords:** speckle denoising, electronic/digital speckle pattern interferometry, digital holographic interferometry, shearography, digital coherent systems

(Some figures may appear in colour only in the online journal)

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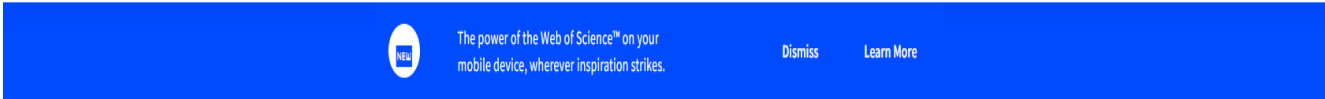


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