

3.4.5

IKGPTU Amritsar Campus
Research papers per teacher in the
Journals notified on UGC website

Supporting Documents



3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years (15)

3.4.5.1: Number of research papers 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 the recognition in UGC enlistment of the Journal
A Biological Immune System (BIS) inspired Mobile Agent Platform (MAP) security architecture	Pallavi Bagga, Rahul Hans and Vipul Sharma	Department of Computer Science & Engineering, IKGPTU Amritsar Campus	Expert Systems with Applications	2017	0957-4174	https://mjl.clarivate.com/search-results?issn=0957-4174&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
N-grams Based Supervised Machine Learning Model for Mobile Agent Platform Protection against Unknown Malicious Mobile Agents	Pallavi Bagga, Rahul Hans and Vipul Sharma	Department of Computer Science & Engineering, IKGPTU Amritsar Campus	International Journal of Interactive Multimedia and Artificial Intelligence	2017	1989-1660	https://mjl.clarivate.com/search-results?issn=1989-1660&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Image driven analysis of plates coated by cold spray coating process using a layerwise approach	A.F. Mota, M.A.R. Loja, H. Singh, S. B. S. Kalsi, J. Infante Barbosa	Mech. Engineering	Composite Structures	2021	0263-8223	https://mjl.clarivate.com/search-results?issn=0263-8223&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Microstructure of Ni-Cr Based Coating for Corrosive Conditions	S.B.S. Kalsi, H. Singh, T.S. Sidhu, M.P.S. Dhulka, D.P. Singh, N.P.S. Saini	Mech. Engineering	Journal of Thermal Spray Technology	2019	1059-9630	https://mjl.clarivate.com/search-results?issn=1059-9630&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results
Analysis of cold spray-coated boiler-tube material in chlorine-based corrosive environment at 900°C	S.B.S. Kalsi, H. Singh, T.S. Sidhu	Mech. Engineering	Materials and Corrosion	2019	0947-5117	https://mjl.clarivate.com/search-results?issn=0947-5117&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results
Characteristic study of cold sprayed N06601 superalloy surface	S.B.S. Kalsi, H. Singh, Henna Khosla, Gurpreet Singh Walia, T.S. Sidhu, J. Karthikeyan	Mech. Engineering	Surface Engineering	2018	0267-0844	https://mjl.clarivate.com/search-results?issn=0267-0844&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results
Characteristic study of N07718 superalloy surface prepared by cold spray	S.B.S. Kalsi, H. Singh, Henna Khosla, T.S. Sidhu, J. Karthikeyan	Mech. Engineering	Materials and Manufacturing Processes	2018	1042-6914	https://mjl.clarivate.com/search-results?issn=1042-6914&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results

Development and characterization of Cr ₃ C ₂ -NiCr coated superalloy by novel cold spray process	S.B.S. Kalsi,H. Singh,T.S. Sidhu, J. Karthikeyan	Mech. Engineering	Materials and Manufacturing Processes	2016	1042-6914	https://mjl.clarivate.com:/search-results?issn=1042-6914&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results
Evolution of microstructure by high velocity impacts of particles by cold spray	S.B.S. Kalsi,H. Singh,T.S. Sidhu, J. Karthikeyan	Mech. Engineering	Materials and Manufacturing Processes	2016	1042-6914	https://mjl.clarivate.com:/search-results?issn=1042-6914&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results
Behavior of Cold Spray Coating in Real Incineration Environment	S.B.S. Kalsi,H. Singh,T.S. Sidhu, J. Karthikeyan	Mech. Engineering	Materials and Manufacturing Processes	2016	1042-6914	https://mjl.clarivate.com:/search-results?issn=1042-6914&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results
Study of kinematic viscosity and density of biodiesels exposed to radiations	Amit Sarin, Neerja Sharma, Kusum Devgan and Meetu Singh	Physical Sciences	Materials Today: Proceedings	2021	2214-7853	https://www.scopus.com/sourceid/21100370037
Investigation of the shelf life of the optimized Neem biodiesel and its execution and excretion characteristics on automotive diesel engine	Mayank Chhabra, Balraj Singh Saini, Gaurav Dwivedi, Arun Kumar Behura, Anuj Kumar, Siddharth Jain, Amit Sarin and Puneet Verma	Physical Sciences	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2021	1556-7036	https://mjl.clarivate.com:/search-results?issn=1556-7036&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Comprehensive analysis of oxidation and storage stability of argemone biodiesel and development of correlations based on experimental results	Mandip Singh, Amit Sarin and Sarabjot Singh Sandhu	Physical Sciences	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2020	1556-7036	https://mjl.clarivate.com:/search-results?issn=1556-7036,1556-7249,0957-6509,2287-6316,2333-8326,2326-3040,2192-0567,1868-3967,2195-9706,2096-2797&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results
Seasonal Variation of Indoor radon/thoron and their progeny levels in lesser Himalayas of Jammu & Kashmir	Ajay Kumar, Raman Vij, Sumit Sharma and Amit Sarin	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2020	0236-5731	https://mjl.clarivate.com:/search-results?issn=0236-5731&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

Effect of metal contaminants and antioxidants on the oxidation stability of Argemone Mexicana biodiesel, Experimental and Statistical study	Mandip Singh, Deepak Kumar Singh, Surjit Kumar Gandhi, Amit Sarin, Sanjeev Saini, Sunil Kumar Malha, Ajay Gupta and Sarabjot Singh Sandhu	Physical Sciences	Waste and biomass valorization	2019	1877-2641	https://mjl.clarivate.com/search-results?issn=1877-2641&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Antioxidative Potential of Phyllanthus emblica for Oxidation Stability of Biodiesels	Meetu Singh, Neerja Sharma, Harkirat S. Paras, Navneet S. Hans, Narinder P. Singh, and Amit Sarin	Physical Sciences	Environmental Progress & Sustainable Energy	2019	1944-7450	https://mjl.clarivate.com/search-results?issn=1944-7442&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Optical characterisation of amorphous Se-Te-Sn thin films	Amit Sethi, Surbhi Sharma, Amit Sarin, Rajesh Kumar, Navjeet Sharma	Physical Sciences	Applied Physics A: Materials Science & Processing	2018	1432-0630	https://mjl.clarivate.com/search-results?issn=0947-8396&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Influence of compositional variations on optoelectrical properties of Ge ₂₀ Sn ₁₀ Se _{70-x} Te _x glass system	Surbhi Sharma; Navjeet Sharma; Amit Sarin	Physical Sciences	Optical Engineering	2018	0091-3286	https://mjl.clarivate.com/search-results?issn=0091-3286&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Crystallisation kinetics and thermal stability analysis of Se _{82-x} Te ₁₅ Sn ₃ Sb _x (0=x=6) glass alloys	Sethi, Amit & Sarin, Amit & Kumar, Rajesh & Sharma, Navjeet	Physical Sciences	Physica b: Condensed matter	2018	0921-4526	https://mjl.clarivate.com/search-results?issn=0921-4526&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Assessment of radionuclide concentration and exhalation studies in soil of lesser Himalayas of Jammu and Kashmir, India	Ajay Kumar, Raman Vij, Sumit Sharma, Amit Sarin, Saurabh Narang	Physical Sciences	Acta Geophysica	2018	1895-7455	https://mjl.clarivate.com/search-results?issn=1895-6572&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Prediction of indoor radon/thoron concentration in a model room from exhalation rates of building materials for different ventilation rates	Manish Kumar, Navjeet Sharma, Amit Sarin	Physical Sciences	Acta Geophysica	2018	1895-7455	https://mjl.clarivate.com/search-results?issn=1895-6572&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

Radon and uranium concentrations in drinking water sources along the fault line passing through Reasi district, lesser Himalayas of Jammu and Kashmir State, India	Ajay Kumar, Raman Vij, Amit Sarin & Priya Kanwar	Physical Sciences	Human and Ecological Risk Assessment: An International Journal	2017	1549-7860	https://mjl.clarivate.com/search-results?issn=1080-7039&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Influence of Sb substitution on thermal and electrical characteristics of Ge-Sn-Se chalcogenide glass system	Surbhi Sharma, Navjeet Sharma and Amit Sarin	Physical Sciences	Materials Science and Engineering	2017	1757-8981	https://www.scopus.com/sourceid/19700200831
Prospects of Tectona Grandis as a feedstock for Biodiesel.	Amit Sarin, Meetu Singh, Neerja Sharma, N.P. Singh	Physical Sciences	Frontiers in Energy Research	2017	2296-598X	https://mjl.clarivate.com/search-results?issn=2296-598X&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Measurement of uranium and radon concentration in drinking water samples and assessment of ingestion dose to local population in Jalandhar district	Manish Kumar, , Anjali Kaushal, B. K. Sahoo, Amit Sarin, Rohit Mehra, Rajan Jakhu, Atul Bhalla, Navjeet Sharma	Physical Sciences	Indoor and Built Environment	2017	1420-326X	https://mjl.clarivate.com/search-results?issn=1420-326X&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Measurement of radon concentration in the drinking water and assessment of age dependent ingestion dose to local population in Kapurthala district of Punjab, India	Manish Kumar, Amit Sarin, B. K. Sahoo, and Navjeet Sharma	Physical Sciences	journal of environment and bio-sciences	2017	0973-6913	https://mjl.clarivate.com/search-results?issn=0973-6913&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Radon/thoron and progeny levels in dwellings: Regional variations and effect of dwelling characteristics A case study in Jalandhar district of Punjab, India	Manish Kumar, Anjali Kaushal, Amit Sarin, Rajesh Kumar, Navjeet Sharma	Physical Sciences	Indoor and Built Environment	2017	1420-326X	https://mjl.clarivate.com/search-results?issn=1420-326X&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
An Experimental Study on Storage and Oxidation Stability of Bitter Apricot Kernel Oil Biodiesel/	Virender Singh Gurau, Mudit Shankar Agarwal, Amit Sarin, and Sarbjot Singh Sandhu	Physical Sciences	Energy & Fuels	2016	0887-0624	https://mjl.clarivate.com/search-results?issn=0887-0624&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Effect of Sb addition on linear and nonlinear optical properties of amorphous GeSeSn thin films	Navjeet Sharma, Surbhi Sharma, Amit Sarin, Rajesh Sharma	Physical Sciences	Optical Materials	2016	0925 -3467	https://mjl.clarivate.com/search-results?issn=0925-3467&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

A case study on quality improvement of connecting rod assembly line using six sigma DMAIC cycle	Sunil Kumar and Gayatri Brahma, Prabhkiran Kaur, B.K. Gupta	Mechanical Engineering	International journal of six sigma and competitive advantage	2020	1479-2494	https://www.inderscienceonline.com/doi/abs/10.1504/IJSSCA.2020.110982
Analysis of Nonlinear Active Noise Behavior of Fuzzy Controller Using Non-Perturbation Methods	Monika Rani, Rakesh Goyal and Vikramjeet Singh	Mathematical Sciences	Fluctuation and Noise Letters	2020	0219-4775	https://mjl.clarivate.com/search-results?issn=0219-4775&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Approximate Solution of Riccati Differential Equation using He's Variational iteration Method	Vikramjeet Singh, Pankaj Kaushal, Monika Rani.	Mathematical Sciences	International Journal of Advanced Science and Technology	2020	22076360	https://www.scopus.com/sourceid/21100829147
Critical Appraisal of Hot Corrosion Behaviour of Burnished HVOF Sprayed WC-CrC-Ni Coatings in Actual Environmental Conditions of Coal Fired Boiler	Atul Agnihotri, Sukhminderbir Singh Kalsi, H.K Kansal, Vikramjeet Singh, Harminder Singh, Amit Handa	Mathematical Sciences	International Journal of Advanced Science and Technology	2020	22076360	https://www.scopus.com/sourceid/21100829147
Analysis of Atmospheric Turbulence on Free Space Optical System using Homotopy Perturbation Method	Monika Rani, Harbax Singh Bhatti and Vikramjeet Singh	Mathematical Sciences	Journal of Optical Communications	2019	21916322	https://www.scopus.com/sourceid/19573
Green inventory supply chain model with inflation under permissible delay in finite planning horizon	Seema Saxena , Vikramjeet Singh, Rajesh Kumar Gupta , Nitin Kumar Mishra , Pushpinder Singh	Mathematical Sciences	Advances in Science, Technology and Engineering Systems	2019	2415-6698	https://www.scopus.com/sourceid/21100898760
NORMALIZATION, INACCURACY AND CRISPNESS	GS Buttar, V Singh, H Kaur	Mathematical Sciences	Advances and Applications in Mathematical Sciences	2019	0974-6803	https://mjl.clarivate.com/search-results?issn=0974-6803&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Risk analysis of flood disaster based on similarity measures in picture fuzzy environment	Pushpinder Singh, Nitin Kumar Mishra, Manoj Kumar, Seema Saxena & Vikramjeet Singh	Mathematical Sciences	Afrika Matematika	2018	10129405	https://mjl.clarivate.com/search-results?issn=1012-9405&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

Performance analysis of free space optical communication system using homotopy perturbation method under different weather conditions	Monika Rani, Harbax Singh Bhatti, Vikramjeet Singh	Mathematical Sciences	The Journal of Optoelectronics and Advanced Materials	2018	14544164	https://mjl.clarivate.com:/search-results?issn=1454-4164&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Optical anisotropy and the direction of polarization of exciton emissions in a semiconductor quantum dot: Effect of heavy- and light-hole mixing	Ranber Singh, Rajiv Kumar and Vikramjeet Singh	Mathematical Sciences	Chinese Physics B	2017	0256-307X	https://mjl.clarivate.com:/search-results?issn=1674-1056&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Exact solitary wave solution for higher order nonlinear Schrodinger equation using He's variational iteration method	Monika Rani, Harbax Singh Bhatti and Vikramjeet Singh,	Mathematical Sciences	Optical Engineering	2017	0091-3286	https://mjl.clarivate.com:/search-results?issn=0091-3286&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Analysis and mitigation of XPM crosstalk in the scenario of mixed line rates for next generation access networks	Rakesh Goyal, Rajinder Singh Kaler, Monika Rani, Vikramjeet Singh	Mathematical Sciences	Optoelectronics and Advanced Materials, Rapid Communications	2017	18426573	https://mjl.clarivate.com:/search-results?issn=1842-6573&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal