

Research Articles Published in SCI/SCIE Indexed Journals					
S.No.	Title of Paper	Journal Name(Vol.)(issue)	Year	Authors ranking	Link to verify UGC/AICTE listing
1.	“A Systematic Literature Review on Empirical Analysis of the Relationship Between Code Smells and Software Quality Attributes”.	Archives of Computational Methods in Engineering, Springer	2019	Amandeep Kaur	IF: 7.2
2.	“SP-J48: A Novel Optimization and Machine-Learning based Approach for Solving Complex Problems: Special Application in Software Engineering for Detecting Code Smells”	<i>Neural Computing and Applications</i> , Springer	2019	Amandeep Kaur, Sushma Jain, and Shivani Goel	IF:4.3
3.	“STOA: A Bio-inspired based Optimization Algorithm for Industrial Engineering Problems”	<i>Engineering Applications of Artificial Intelligence</i> , Elsevier	2019	Gaurav Dhiman and Amandeep Kaur.	IF: 3.0
4.	“Sandpiper Optimization Algorithm: A Novel Approach for Solving Real-life Engineering Problems”	<i>Applied Intelligence</i> , Springer	2019	Amandeep Kaur, Sushma Jain, and Shivani Goel.	IF: 2.8
5.	“A quantum approach for time series data based on graph and Schrödinger equations methods.”	<i>Modern Physics Letters A</i> , Vol.33, issue.no. 35	2018	Pritpal Singh, Gaurav Dhiman, and Amandeep Kaur.	IF: 1.4
6.	“A hybrid fuzzy quantum time series and linear programming model: Special application on TAIEX index dataset”	<i>Modern Physics Letters A</i> , Vol.33, issue.no. 35	2018	Pritpal Singh, Gaurav Dhiman, Sen Guo, Ritika Maini, Harsimran Kaur, Amandeep Kaur, Harmanpreet Kaur, Jaswinder Singh, Napinder Singh.	IF: 1.4
7.	“A quantum method for dynamic nonlinear programming technique using Schrödinger equation and Monte Carlo approach.”	<i>Modern Physics Letters B</i> , Vol.32, issue.no. 30	2018	Amandeep Kaur, Satnam Kaur, and Gaurav Dhiman	IF: 0.7

Research Papers in International Journals					
1.	An Advance Critical Review and Opportunities of Speech Recognition & Processing in Military Applications	International Journal of Advanced Engineering Research and Studies, 2 (3)	2013	A Kaur, S Kaur, T Singh	
2.	A Review on Session Initiation Protocol (SIP)	International Journal of Software and Web Sciences	2013	A Kaur, T Singh, S Kaur	
3.	Study and Analysis of the Team Structures on Development Processes	International Journal of Computers and Distributed Systems, 2 (3)	2013	A Kaur, S Kumar, S Kaur	
4.	"A detailed comparative study of various image fusion techniques used in digital images."	International Journal of Advanced Engineering Technology, Vol. 4, Issue. 3.	2013	Singh, Tajinder, Mandeep Kaur, Amandeep Kaur	E-ISSN 0976-3945
Papers Published in International Conferences					
1.	"Design of a Novel Energy Efficient Routing Framework for Wireless Nanosensor Networks".	<i>International Conference on Secure Cyber Computing and Communications (ICSCCC), IEEE</i>	2018	Sandeep Kumar, Satnam Kaur, Amandeep Kaur, and Gaurav Dhiman.	(Web of Science Indexed)
2.	"Spotted hyena optimizer for solving engineering design problems."	<i>International Conference on Machine Learning and Data Science (MLDS), IEEE</i>	2017	Gaurav Dhiman and Amandeep Kaur.	(Web of Science Indexed)
3.	"A support vector machine based approach for code smell detection."	<i>International Conference on Machine Learning and Data Science (MLDS), IEEE.</i>	2017	Amandeep Kaur, Sushma Jain, and Shivani Goel.	(Web of Science Indexed)

Research Articles in Books						
S.No.	Authors	Title of the Article	Name of the Book	Place of Publication	Year	Page No.
1.	Gaurav Dhiman and Amandeep Kaur.	“A hybrid algorithm based on particle swarm and spotted hyena optimizer for global optimization.”	<i>Soft Computing for Problem Solving</i> , Springer	Singapore	2019 (Scopus indexed)	599-615
2.	Amandeep Kaur and Gaurav Dhiman.	“A review on search-based tools and techniques to identify bad code smells in object-oriented systems.”	<i>Harmony Search and Nature Inspired Optimization Algorithms</i> , Springer	Singapore	2019 (Scopus indexed)	909-921.
3.	Gaurav Dhiman and Amandeep Kaur.	“Optimizing the design of airfoil and optical buffer problems using spotted hyena optimizer”.	<i>Designs</i>		2018 (DBLP Indexed)	28

Book published by Inter-National Publisher						
S. NO.	Author(s)	Year of publication	Title	Name of Inter-National Publisher with ISBN No.	Vol.No. & Page No.	
1.	Gaurav Dhiman Jaswinder Singh Amandeep Kaur	2019	Hybrid Metaheuristic Optimization Approach: Theory and its Application	Lambert Academic Publishing, ISBN: 978-620-0-28734-2	53	
2.	Amandeep Kaur Gaurav Dhiman	2019	Change-proneness of metrics and classes in Object-oriented Systems	ISBN: 978-620-0-31100-9	85	