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Publications (2015- till date)

Book Chapter

S.No.	Authors	Title of the Book	Paper title	ISBN no./pp.no.	Publisher & Year
1.	P.Amudha, S.Karthik, S.Sivakumari	Handbook on Information Technology	Intrusion Detection Using Modified Artificial Bee Colony with Feature Subsets	978-93-84443-46-7 pp. 173-182	Research India Publications, Delhi, India, 2016
2.	R.PraveenaPriyadarsini,P.Amudha, S.Sivakumari	Digital Connectivity – Social Impact. Series: Communications in Computer and Information Science	Enhanced ℓ – Diversity Algorithm for Privacy Preserving Data Mining	978-981-10-3273-8 vol. 679	Springer, Singapore, 2016
3.	P.Amudha, S.Sivakumari	Machine and Deep Learning Applications for Cyber Security	Hybridization of Machine Learning Algorithm in Intrusion Detection System	ISBN13: 9781522596110	IGI Global: International Publisher of Information Science and Research, USA, 2019

Book Published

1. P.Amudha, Data Mining Approach for Intrusion Detection System, Lambert Academic Publishing, ISBN: 978-613-9-95273-1, 2018.

2. P.Amudha, S.Sivakumari, Data LeakageDetection System, Lambert Academic Publishing, ISBN: 978-613-9-99886-9, 2019.

3. P.Amudha, S.Sivakumari, Classification Techniques for Intrusion Detection, Notion Press, 2ISBN: 9781648285820, 2020

International Journal

Name of the authors	Name of the Journal	Title of the Paper	Publication year	Vol.	issue	Page no.	ISSN
P.Amudha, S.Karthik, S .Sivakumari	International Journal of Applied Engineering Research	An Intrusion Detection System using a proposed Feature Reduction Method and Support Vector Machine Classification	2015	10	20	19191-19197	0973-4562
P.Amudha, S.Karthik, S.Sivakumari	International Journal of Applied Engineering Research(ISSN:), pp. vol.10, no.41, 2015	Intrusion Detection Based on Core Vector Machine and Ensemble Classification Methods	2015	10	41	30306-30310	0973-4562
P.Amudha, S.Karthik, S.Sivakumari	Scientific World Journal	A Hybrid Swarm Intelligence Algorithm for Intrusion Detection Using Significant Features	2015			1-16	1537-744X
P.Amudha, S.Karthik, S.Sivakumari	International Journal of Applied Engineering Research (IJAER), vol.10, no.8, pp. ISSN : Nov, 2015	Intrusion Detection Using Artificial Bee Colony with Reduced Features	2015	10	8	21125-21138	0973-4562

Authors	Journal	Title	Year	Vol	Issue	Pages	ISSN
P.Amudha, S.Karthik, S.Sivakumari	ARPN Journal of Engineering and Applied Sciences	Swarm Based Classifier Model Using Ensemble Feature Ranking Methods	2015	10	18	8052-8059	1819-6608
P.Amudha, S.Karthik, S.Sivakumari	Indian Journal of Science and Technology	An Experimental Analysis of Hybrid Classification Approach for Intrusion Detection	2016	9	13	1-8	0974-5645.
M.Saranya, **P.Amudha**	World Scientific News	Anti-Spoofing Method: A Survey on Biometric Face Recognition	2016	41	-	107-113	2392-2192
S.Bharanya, **P.Amudha**	World Scientific News,	A survey on Privacy Preserving Data Mining	2016	41	-	82-90	2392 -2192
R.PraveenaPriyadarsini,**P.Amudha,** S.Sivakumari	Digital Connectivity – Social Impact. CSI 2016. Communications in Computer and Information Science	Enhanced ℓ – Diversity Algorithm for Privacy Preserving Data Mining	2016	679	-	14–23	978-981-10-3273-8,
P.Amudha, S.Sivakumari, R.PraveenaPriyadarsini	Intercontinental Journal of Marketing Research Review,	Technology Transfer: An effective approach to improve Health Industries	2016	5	5	160-67	2347-1670
R,Keerthana, **P.Amudha**	South Asian Journal of Engineering and Technology	Privacy Preservation Data Mining : a Review	2017	3	3	19-21	2454-9614
B.S.Rohini, H.Nagabhushana G.P.Darshan, R.B.Basavaraj, S.C.Sharma, **P.Amudha**, M.Rahul, B.Daruka Prasad	Journal of Alloys and Compounds	Multifunctional applications of Self-assembled 3D CeO_2: Cr^{3+} hierarchical structures synthesized via ultrasound assisted sonochemical route	2017	724	-	897-909	0925-8388

B.Marappa, M.S.Rudresha, R.B.BasavarajG.P .Darshan, B. DarukaPrasad, S.C.Sharma, S.Sivakumari, **P.Amudha**, H.Nagabhushana	Sensors and Actuators B: Chemical	EGCG assisted Y 2 O 3 :Eu 3+ nanopowders with 3D micro-architecture assemblies useful for latent finger print recognition and anti-counterfeiting applications	2018	264	-	426-439	0925-4005
R. Priyanka, **P.Amudha**	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	Identifying Eye Fixation to Control the Mouse Operations Using Artificial Neural Network	2018	3	3	968-977	2456-3307
P.Amudha S.Sivakumari	International Journal of management, technology and Management	Disambiguating Technique for protecting data in social networks	2018	8	11	2024-2029	2249-7455
P.Amudha, S.Sivaranjani S.Sivakumari	Journal of Applied Science and Computations	Sentiment Analysis usingData Mining Technique	2019	6	5	3659- 3665	1076-5131
ShreeNandhini.P, **P.Amudha**, S.Sivakumari	International Journal of Innovative Technology and Exploring Engineering	Air Quality Prediction using Artificial Intelligence	2020	9	5	1417-1420	2278-3075
Vanitha.G **P.Amudha** S.Sivakumari	International Journal of Innovative Technology and Exploring Engineering	Congestion Control in wireless Sensor Networks using Artificial intelligence Techniques	2020	9	5	1697-1699	2278-3075
P.J.Niroshini, R.S.Subasree, **P.Amudha**, P.Sindhuja	International Journal of Scientific Research in Computer Science, Engineering and	Architecture for Intelligent Animal Care and Management System	2020	6	3	332-336	2456-3307

	Information Technology						
B.Sabeena S.Sivakumari, **P.Amudha**	Journal of Advanced Research in Dynamical & Control Systems,	Kernel based Principal Component Analysis based Dimensionality Reduction and Fuzzy Convolution Long Short-term Memory based Convolutional Neural Network (FCLSTM-CNN) for Parkinson's Disease Classification	2020	12	07	269-283	1943-023X

International Conference

Name of the Authors	Title of the Article	Details of the Conference
P.Amudha, S. Karthik, S.Sivakumari	Intrusion Detection Based on Core Vector Machine and Ensemble Classification Methods	IEEE International Conference on Soft-computing and Network Security, SNS College of Technology on 25th to 27th, February, 2015.
P.Amudha S.Sivakumari R.PraveenaPriyadarsini	Technology Transfer: An effective approach to improve Health Industries	The 7th International Conference onDevelopment Policy, Avinashilingam Institute for Home Science and HigherEducation for Women, 2016
P.Amudha S.Sivakumari	Impact of Social Media in Music Industry	International Conference on Dance, Music and Media in the 20th and 21st Centuries, on 6th& 7th February, 2018
P.Amudha S.Sivakumari	Big data Analytics Using Support Vector Machine	IEEE International Conference of Soft Computing and Network Security (ICSNS) 14th -16th February 2018
R.Priyanka **P.Amudha**	A Study on Video Instance Retrieval Techniques	International Conference on Intelligent Computing, Nano Science and Renewable Energy Sources on 08.03.2018 & 09.03.2018
P.Amudha S.Sivakumari	Disambiguating Technique for protecting data in social networks	2nd International Conference on Emerging Trends in Science, Engineering & Management, pp.23-28, 2018 ISBN:978-93-87433

P.Amudha S.Sivaranjani S.Sivakumari	Sentimental analysis using data mining technique	Intl. conference on "Emerging Trends in Wireless communications, signal processing and Networking, 07.03.19 and 08.03.19, ISBN: 978-93-88570-07-7
S.Gayathri **P.Amudha**	A Software Defined Fog Node Based Distributed Block Chain Cloud Architecture For IOT	Intl. conference on "Emerging Trends in Wireless communications, signal processing and Networking, 07.03.19 and 08.03.19, pp.11, ISBN: 978-93-88570-07-7
P.Shreenandhini **P.Amudha** S.Sivakumari	A Survey Paper on Spatial And Temporal Networks Model for Analysis Air Quality	International Conference on Innovations in Computer Science and Information Technology, 3rd&4th October,2019, ISBN:978-93-89105-21-6
G.Vanitha **P.Amudha** S.Sivakumari	Working of Wireless and Mobile Networks-Survey	International Conference on Innovations in Computer Science and Information Technology, 3rd&4th October,2019, ISBN:978-93-89105-21-6
Amitha Mathew **P.Amudha** S.Sivakumari	Deep Learning : An Overview	International Conference on Advanced Machine Learning Technologies and Applications (AMLTA-2020), February 13-15, 2020, Manipal University, Jaipur
P.Shreenandhini **P.Amudha** S.Sivakumari	Air Quality Prediction using Artificial Intelligence –A survey	International Conference on Modern Engineering Science and Technology, organized by Dr.Kalam Institute of Engineering Research at Ooty, 17.02.2020,
G.Vanitha **P.Amudha** S.Sivakumari	Congestion Control in Wireless Sensor Network using AI Techniques – A survey	International Conference on Modern Engineering Science and Technology, organized by Dr.Kalam Institute of Engineering Research at Ooty, 17.02.2020
B.Sabeena S.Sivakumari **P.Amudha**	Technical Review on Various Approaches for Parkinson's Disease Classification	International Conference on Modern Engineering Science and Technology, organized by Dr.Kalam Institute of Engineering Research at Ooty 17.02.2020

National Conference/Seminar

S.No	Name of the authors	Title of the Article	Details of the Conference
1.	R.Keerthana **P.Amudha**	Improved Privacy for sensitive contents in social networks	Proceedings of National Conference on Internet of Things(IoT), pp.10-18,2017, ISBN: 978-93-80769-85-1
2.	**P.Amudha**, S.Sivakumari, R.PraveenaPriyadarsini	Decision Tree in Rapid Miner	Proceedings of TNSCST sponsored National Workshop on Rapid Miner - A Tool for Research in Data Mining, pp.1-6,July 25th, 2017, ISBN: 978-93-84-234-63-8
3.	**P.Amudha**, S.Sivakumari, R.PraveenaPriyadarsini	Encryption Technique on Cloud Data: an Overview	Proceedings of TNSCST sponsored National Seminar on Privacy and Data Security Issues in Cloud Computing, pp.1-3, August 10th, 2017, ISBN: 978-93-84-234-35-5
4.	**P.Amudha**, S.Sivakumari, R.PraveenaPriyadarsini	Cyber Security: An Analysis of Email Spam Classification	Proceedings of National Seminar on Cyber Security: Contemporary Issues and Challenges,pp.28-30,28th August, 2017, ISBN : 978-93-84234-87-4
5.	**P.Amudha**, S.Sivakumari, R.PraveenaPriyadarsini	Email Security Using Spam Filtering: An Overview	Proceedings of TNSCST sponsored National Seminar on Emerging issues and challenges in cyber security, pp.1-3, September 6th & 7th, 2017, ISBN: 978-93-84-234-089
6.	R.PraveenaPriyadarsini **P.Amudha**, S.Sivakumari	Cyber-attacks, Its Threats and Challenges: A Study	Proceedings of TNSCST sponsored National Seminar on Emerging issues and challenges in cyber security, pp.4-5, September 6th & 7th, 2017, ISBN: 978-93-84-234-089
7.	R.Keerthana, **P.Amudha**	Internet of Things-Security and Privacy	Proceedings of TNSCST sponsored State Level Seminar on Privacy and Security in the Era of Big Data and Internet of Things,pp.13-16, September 26th and 27th, 2017, ISBN : 978-93-84-234-140
8.	**P.Amudha**, S.Sivakumari,	The Role of Computer Technology in Music: A Review	Proceedings of National Conference on Mutual Influence of Music in Technology, December 13th & 14th, 2017, pp. 6-11, ISBN 978-93-5288-680-7
9.	**P.Amudha**, S.Sivakumari,	Safe and Responsible Use of Internet	Proceedings of National Seminar on EDU TECH JAMBOREE on 17th & 18th January, 2018
10.	**P.Amudha**, S.Sivakumari	Influence of Digital Learning in Education	Proceedings of National Conference on Contemporary Dimensions in Library and Information Science on 27th January 2018
11.	R.Priyanka, **P.Amudha**	Cyber Security –Types, Importance And Issues	

12.	**P.Amudha**, S.Sivakumari,	The Role of Dr. B. R. Ambedkar for Women Emancipation and Empowerment in India	Proceedings of National Conference on Thoughts of Dr. B.R. Ambedkar and its Relevance to Contemporary Society, 03.03.2018
13.	Amitha Mathew **P.Amudha** S.Sivakumari	A Review on Finger Vein Recognition Using Deep Learning Techniques	Proceedings of two day National Conference on Machine Learning and Its Applications, 21st & 22nd February 2020, pp. 12-15 , ISBN: 978-81-945147-6-3
14.	P.ShreeNandhini **P.Amudha** S.Sivakumari	Air Quality Prediction Using Artificial Intelligence – A Review	Proceedings of two day National Conference on Machine Learning and Its Applications, 21st & 22nd February 2020, pp.22-24, ISBN: 978-81-945147-6-3
15.	G.Vanitha **P.Amudha** S.Sivakumari	Wireless Sensor Network Using Artificial Intelligence Techniques – An Overview	Proceedings of two day National Conference on Machine Learning and Its Applications, 21st & 22nd February 2020, pp.25-29, ISBN: 978-81-945147-6-3
16.	B.Sabeena S.Sivakumari **P.Amudha**	Prediction of Parkinson's Disease Using Machine Learning Algorithms – Survey	Proceedings of two day National Conference on Machine Learning and Its Applications, 21st & 22nd February 2020, pp.30-32, ISBN: 978-81-945147-6-3
17.	V.Devi **P.Amudha** S.Sivakumari	Analysis on Block Chain Based Electronic Health Records	Proceedings of two day National Conference on Machine Learning and Its Applications, 21st & 22nd February 2020, pp.42-45, ISBN: 978-81-945147-6-3
18.	Shree Devi **P.Amudha** S.Sivakumari	A Study on Machine Learning Techniques For Anomaly Detection	Proceedings of two day National Conference on Machine Learning and Its Applications, 21st & 22nd February 2020, pp. 46-50, ISBN: 978-81-945147-6-3
19.	Sheethal **P.Amudha** S.Sivakumari	A Survey on Optimal Path Selection And Passenger Load Estimation	Proceedings of two day National Conference on Machine Learning and Its Applications, 21st & 22nd February 2020, pp.51-53, ISBN: 978-81-945147-6-3