

Pradip Kumar Sharma, PhD

Address: Assistant Professor of Cybersecurity, Department of Computing Science, University of Aberdeen, UK

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Education

PhD in Network Security, Seoul National University of Science & Technology, South Korea [2016-2019]

Master of Technology in Computer Science, Thapar University, Patiala, India [2012-2014]

Bachelor of Science in Information Technology, Guwahati University, Guwahati, India [2006-2009]

Experience Summary

Jun 2020 ~ Present	Assistant Professor & PGR Coordinator , Department of Computing Science, University of Aberdeen, UK
Sep 2019 ~ May 2020	Research Fellow , Dongguk University, Seoul, South Korea
Aug 2019 ~ Sep 2019	Project Scientist , Seoul National University of Science and Technology, Seoul, South Korea
Mar 2016 – Aug 2019	PhD Scholar , Seoul National University of Science & Technology, South Korea
Jun 2014 – Jan 2016	Software Engineer , MAQ Software, Hyderabad, India
July 2009 – Jun 2012	Software Developer , Reverie Language Technology Pvt. Ltd., India

Area of Interests

System Security (Device-aware Security, On-device Learning)

Distributed Systems and Network Security (Security issues in Distributed Computing, Edge Computing, Blockchain, Collaborative Learning)

Cyber Security (Security issues in SDN, Critical Infrastructure Security, IoT Security, 5G Network)

Research Projects/Grants

2019-2022	“Development of Simulator for Virtual Learning” from Agency for Defence Development , South Korea, £270K
2016-2019	“Developing a Green Smart Home Security Framework for Next Generation IoT Environment” by National Research Foundation (NRF) , South Korea, £200K
2016-2019	“WellTEC Coaching Service and Content Development for Wellness Life” by Consortium Information Technology Research Center (C-ITRC) , South Korea, £16K
2016-2018	“Development of an immersive and interactive NUI/NUX Platform for Invoked Reality Contents” by Institute for Information and Communications Technology Promotion (IITP) , South Korea, £5K

Professional Activities

Industry Collaboration

Research Consultant at Ekagga Technology & Services Pvt. Ltd.

Advisory Board Member at VeNMSOL Technologies

Journal Editor/Guest Editor

Associate Editor of Peer-to-Peer Networking and Application

Associate Editor of Human-centric Computing and Information Sciences

Topic Editor of Electronics, MDPI

Associate Editor of Journal of Information Processing Systems

Guest Editor of Special Section on “Security, Privacy and Trust Analysis and Service Management for Intelligent Internet of Things Healthcare”, IEEE Transactions on Industrial Informatics

Guest Editor of Special Issue on “Blockchain and Artificial Intelligence Empowered 5G and beyond Networks”, Transactions on Emerging Telecommunications Technologies

Guest Editor of Special Issue on “Integration of Emerging Technologies and Governance for Sustainable Smart Cities”, Sustainable Cities and Society

Guest Editor of Special Issue on “3D Reconstruction and Visualization of Dynamic Objects/Scenes using Data Fusion”, Remote Sensing

Guest Editor of Special Issue on “IoT Multimedia Applications and Services”, Multimedia Tools and Application

Lead Guest Editor of Special Issue on “Integration of Green ICTs and Industry into Green Governance for a Sustainable Ecosystem”, Sustainability

Lead Guest Editor of Special Issue on “Integration of AI in 5G Network Cybersecurity: Privacy and Security Concerns”, Journal of Information Processing Systems

Conference Chairs/TCP

Workshop Chairs of 1 9th IEEE International Conference on Dependable, Autonomic & Secure Computing, IEEE DASC 2021, Canada

Program Chairs of 3rd International Workshop on Security Trust and Privacy for Emerging Cyber Physical Systems (STP-CPS’21), IEEE CCNC 2021, USA

Program Chairs of 1st ACM Workshop on Recent Trends of Internet of Softwarized Things (IoST-5G&B), ICDCN 2021, Japan

Program Chairs of HCIS 2020 Workshop, South Korea

Publicity Chair of MUE 2020, China

Program Committee Member of iSCI 2020, China

Publicity Chair of HCIS 2020 Winter Workshop, South Korea

Publicity Chair of IEEE DSCI-2019, China

Publicity Chair of IEEE IUCC-2019, China

Publicity Chair of IEEE SmartCNS-2019, China

Program Committee Member of iSCI 2019, China

Technical Program Committee Member of IEEE MENACOMM’19, Manama, Bahrain

Technical Program Committee Member of 3ICT 2019, Bahrain

Technical Program Committee Member of IEEE ICC 2019 Workshop-SecSDN, Shanghai, China

Achievements

Research/Academic

The world’s Top 2% Scientists for citation impact during the calendar year 2019, 2020, & 2021 by Stanford University

IEEE Outstanding Leadership Award, IEEE DSCI 2019, China

Top 1% of Reviewers in **Computer Sciences**, Publons Peer Review Awards 2019, Clarivate Analytics

Top 1% of Reviewers in **Cross-Field**, Publons Peer Review Awards 2019, Clarivate Analytics
Champion, The 2nd JIPS Survey Paper Awards, Journal of Information Processing Systems

Most cited Paper Award 2018, Journal of Information Processing Systems

Top 1% of Reviewers in **Computer Sciences**, Publons Peer Review Awards 2018, Clarivate Analytics

Outstanding Reviewer Award in Future Generation Computer Systems (FGCS) 2018, Elsevier

Best paper award at 12th International Conference of Future Information Technology (FutureTech 2017)

Best paper award at 12th International Conference on Ubiquitous Information Technologies and Applications (CUTE2016)

Industry/Certification

3 Spot Awards (Mar, Apr, Sep 2015) at MAQ Software, Hyderabad, India

Employee of the Month (May, 2015) at MAQ Software, Hyderabad, India

Certified 70-461: Querying Microsoft SQL Server 2012

Certified 70-463: Implementing a Data Warehouse with Microsoft SQL Server 2012

Qualified **UGC- NET Jun 2013**

Qualified **GATE- 2012**

Won the “Nail D Byte” **Coding** Contest in **TechXetra 2010** held at Tezpur University

Professional Academic/Industry Experiences

Assistant Professor & PGR Coordinator, Department of Computing Science, University of Aberdeen, Aberdeen, UK (Jun, 2020 – Present)

- Conduct cutting-edge research in Cybersecurity (or closely related disciplines).
- Prepare and submit manuscripts for publications in leading international conferences and journals.
- Prepare and submit grant applications for external research support.
- Take responsibility for the supervision and training of postgraduate research students.
- Contribute to the design, development, delivery, assessment, and administration of a range of undergraduate and postgraduate courses (includes contribution to supervision of undergraduate dissertations).
- Supervise students directly, providing a high standard of support and help
- Identify the learning needs of students and defining learning objectives
- Undertake school/department level administration, as determined by the Head of School and Academic Line Manager

Research Fellow, Department of Multimedia, Dongguk University, Seoul, South Korea (Sep, 2019 – May, 2020)

- Lead several teams on many ongoing research projects with industry and research institutes. The research projects focus on the study and development of innovative software solutions on ubiquitous computing, cloud computing, IoT, computer & network security using cutting edge technology such as blockchain, software defined networking, machine learning, and artificial intelligence, etc.
- Make international collaboration with different research labs and actively working on multiple research projects.
- Identify research funding opportunities and make appropriate bids to secure funding for personal and joint research or scholarly activities.
- Publish research articles in top-tired journals and conferences.

Research Scholar, Seoul National University of Science & Technology (*Mar, 2016 – Aug, 2019*)

- R & D Researcher and leader at UCS Lab.
- Presently working on many ongoing research projects with industry and research institutes. The research projects focus on the study and development of innovative software solutions on ubiquitous computing, cloud computing, IoT, computer & network security using cutting edge technology such as blockchain, software defined networking, machine learning, and artificial intelligence, etc.
- Internationally collaborating with different research labs and actively working on multiple research projects.
- Actively working as a reviewer with top most SCI/SSCI/SCIE journals like IEEE Communication Magazine, IEEE IoT J, IEEE TII, IEEE TNSM, IEEE System Journal, IEEE CE Mag, PMC, FGCS and many IEEE conferences etc.
- Deliver lectures and seminars for Masters and PhD students on cutting edge technologies in the Department of Computer Science and Engineering, Seoul National University of Science & Technology.

Software Engineer, MAQ Software, Hyderabad, India (Jun, 2014 – Jan, 2016)

- Developed Databases, ETLs, Reports, OLAP SSAS cubes. Involved in requirements analysis, design and development phase of Data warehouse and OLAP cube.
- Developed and managed ETLs to pull and clean the data coming from upstream sources.
- Worked on several large scale Business Intelligence projects and contributed at each layer.
- Wrote complex SQL procedures to update and manage enterprise level data.

- Being the key contributor, guided other team members to maximize overall team efficiency and ensured maximum parallelism in tasks to meet tight timelines.
- Actively involved in effort estimation, deployment plans, test plans and peer code reviews.
- Organized many training programs and mentored new employees to ramp-up them on new technologies.

Software Developer, Reverie Language Technology Pvt. Ltd., India (July, 2009 – Jun, 2012)

- Designed and Developed of Multi-Lingual Content Synchronizer Software Tool for synchronizing the lyrics with audio files.

Teaching Experiences

Teaching

Jun 2020 ~ Present	Assistant Professor of Cybersecurity, University of Aberdeen, Aberdeen, UK
Sep 2019 ~ May 2020	Research Fellow, Dongguk University, Seoul, South Korea
Mar 2016 – Aug 2019	Teaching Assistant, Seoul National University of Science & Technology, South Korea
Jan 2015 – Jan 2016	Software Engineer (Project Lead), MAQ Software, India
Aug 2012 – May 2014	Teaching Assistant, Thapar University, India

Module Taught

- Distributed Systems and Security
- Network Security & Policy
- Advanced Ubiquitous Computing
- Cryptography and Information Security
- Blockchain Technology in IoT
- Fundamentals of Federated Learning

Module Designed

- Security in Emerging Networks
- Digital Forensics and Incident Management
- Blockchain Security in IoT
- Fundamentals of Federated Learning

PhD/Master Student Co-Supervision

PhD Students

- Ms. Yiren Li, University of Aberdeen, UK (On going)
- Ms. Jisun Park, Dongguk University, South Korea (On going)
- Mr. Sushil Singh, Seoul National University of Science & Technology, South Korea (On going)
- Mr. Mikail Salim, Seoul National University of Science & Technology, South Korea (On going)
- Dr. Shailendra Rathore, Seoul National University of Science & Technology, South Korea

Master Students

- Mr. Deepansu Vohra, University of Aberdeen, UK
- Mr. Pranav Vishnu, University of Aberdeen, UK
- Ms. Ramanpreet Kaur, University of Aberdeen, UK
- Mr. Sharath Leelakrishnan, University of Aberdeen, UK
- Mr. Jose Costa Sapalo Sicato, Seoul National University of Science & Technology, South Korea
- Mr. Byoung-Wook Kwon, Seoul National University of Science & Technology, South Korea
- Mr. Jung Hyun Ryu, Seoul National University of Science & Technology, South Korea
- Mr. Jeong Hoon Jo, Seoul National University of Science & Technology, South Korea
- Mr. Kyung Yeob Park, Seoul National University of Science & Technology, South Korea
- Mr. Seo Yeon Moon, Seoul National University of Science & Technology, South Korea

- Ms. Gurpreet Kaur, Thapar University, India
- Ms. Meghna Dhalaria, Thapar University, India

Selected Publications

Distributed Systems and Network Security

- **Sharma, P. K., Gope, P., & Puthal, D.** (2022, June), “**Blockchain and Federated Learning-enabled Distributed Secure and Privacy-preserving Computing Architecture for IoT Network,**” In 2022 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW) (pp. 1-9). IEEE
- Zhang, L., Xu, J., Vijayakumar, P., **Sharma, P. K.,** & Ghosh, U. (2022), “**Homomorphic Encryption-based Privacy-preserving Federated Learning in IoT-enabled Healthcare System,**” IEEE Transactions on Network Science and Engineering [SCIE: 5.033]
- Mahlabia, J., Mishra, A. K., Puthal, D., & **Sharma, P. K.** (2022), “**Blockchain-Based Sensitive Document Storage to Mitigate Corruptions,**” IEEE Transactions on Engineering Management [SCIE: 8.702]
- Liao, Z., Cheng, S., Zhang, J., Wu, W., Wang, J., & **Sharma, P. K.** (2022), “**GpDB: A Graph-partition Based Storage Strategy for DAG-Blockchain in Edge-cloud IIoT,**” IEEE Transactions on Industrial Informatics [SCIE: 11.648]
- Azzaoui, A. E., **Sharma, P. K.,** & Park, J. H. (2022), “**Blockchain-based delegated Quantum Cloud architecture for medical big data security,**” Journal of Network and Computer Applications, 198, 103304 [SCIE: 7.574]
- Ren, Y., Leng, Y., Qi, J., **Sharma, P. K.,** Wang, J., Almakhadmeh, Z., & Tolba, A. (2021), “**Multiple cloud storage mechanism based on blockchain in smart homes,**” Future Generation Computer Systems, 115, 304-313 [SCI IF: 7.307]
- **Sharma, P. K.** & Park, J. H. (2020), “**Blockchain-based Secure Mist Computing Network Architecture for Intelligent Transportation Systems,**” IEEE Transactions on Intelligent Transportation Systems [SCI IF: 6.319]
- Liao, Z., Peng, J., Huang, J., Wang, J., Wang, J., **Sharma, P. K.,** & Ghosh, U. (2020), “**Distributed Probabilistic Offloading in Edge Computing for 6G-enabled Massive Internet of Things,**” IEEE Internet of Things Journal [SCIE IF 9.936]
- **Sharma, P. K.,** Kumar, N., & Park, J. H. (2020), “**Blockchain Technology towards Green IoT: Opportunities and Challenges,**” IEEE Network [SCI IF: 8.808]
- **Sharma, P. K.,** Park, J. H., & Cho, K. (2020), “**Blockchain and Federated Learning-based Distributed Computing Defence Framework for Sustainable Society,**” Sustainable Cities and Society, 102220 [SCI IF: 5.268]
- Hosen, A. S., Singh, S., **Sharma, P. K.,** Ghosh, U., Wang, J., Ra, I. H., & Cho, G. H. (2020), “**Blockchain-Based Transaction Validation Protocol for a Secure Distributed IoT Network,**” IEEE Access, 8, 117266-117277 [SCIE IF 3.745]
- Tang, Q., Chang, L., Yang, K., Wang, K., Wang, J., & **Sharma, P. K.** (2020), “**Task number maximization offloading strategy seamlessly adapted to UAV scenario,**” Computer Communications, 151, 19-30 [SCIE IF: 2.816]
- Ren, Y., Zhu, F., **Sharma, P. K.,** Wang, T., Wang, J., Alfarraj, O., & Tolba, A. (2020), “**Data Query Mechanism Based on Hash Computing Power of Blockchain in Internet of Things,**” Sensors, 20(1), 207 [SCIE IF: 3.275]
- **Sharma, P. K.,** Kumar, N., & Park, J. H. (2019), “**Blockchain-based Distributed Framework for Automotive Industry in a Smart City,**” IEEE Transactions on Industrial Informatics [SCIE IF: 9.112]
- Hosen A. S. M. S., Singh, S., **Sharma, P. K.,** Rahman, M. S., Ra, I., Cho, G., Puthal, D. (2019), “**A QoS-Aware Data Collection Protocol for LLNs in Fog-Enabled Internet of Things,**” IEEE Transactions on Network and Service Management [SCIE IF: 3.878]
- Wang, S., Lin, Y., Tao, H., **Sharma, P. K.,** Wang, J. (2019), “**Underwater Acoustic Sensor Networks Node Localization Based on Compressive Sensing in Water Hydrology,**” Sensors 2019, 19, 4552 [SCIE IF: 3.275]
- Kaur, M., Kaur, G., **Sharma, P. K.,** Jolfaei, A., & Singh, D. (2019), “**Binary cuckoo search metaheuristic-based supercomputing framework for human behavior analysis in smart home,**” The Journal of Supercomputing, 1-24 [SCI IF 2.469]
- Kaur, M., Dhalaria, M., **Sharma, P. K.,** & Park, J. H. (2019), “**Supervised Machine-Learning Predictive Analytics for National Quality of Life Scoring,**” Applied Sciences, 9(8), 1613 [SCIE IF: 2.474]
- **Sharma, P. K.,** Rathore, S., Jeong, Y. S., & Park, J. H. (2018), “**SoftEdgeNet: SDN based Energy-efficient Distributed Network Architecture for Edge Computing,**” IEEE Communications Magazine [SCI IF 11.052]
- **Sharma, P. K.,** Ryu, J. H., Park, K. Y., Park, J. H., & Park, J. H. (2018), “**Li-Fi based on Security Cloud Framework for Future IT Environment,**” Human-centric Computing and Information Sciences [SCIE IF 3.7]
- **Sharma, P. K.,** Rathore, S., & Park, J. H. (2018), “**DistArch-SCNet: Blockchain-based Distributed Architecture with LiFi Communication for Scalable Smart City Network,**” IEEE Consumer Electronics Magazine [SCIE IF 4.016]
- **Sharma, P. K.,** & Park, J. H. (2018) “**Blockchain based hybrid network architecture for the smart city,**” Future Generation Computer Systems [SCIE IF 6.125]
- **Sharma, P. K.,** Chen, M. Y., & Park, J. H. (2018), “**A Software Defined Fog Node Based Distributed Blockchain Cloud Architecture for IoT,**” IEEE Access, 6, 115-124 [SCIE IF 3.745]
- Rathore, S., **Sharma, P. K.,** Sangaiah, A. K., & Park, J. J. (2018), “**A Hesitant Fuzzy Based Security Approach for Fog and Mobile-Edge Computing,**” IEEE Access, 6, 688-701 [SCIE IF 3.745]
- **Sharma, P. K.,** Singh, S., Jeong, Y. S., & Park, J. H. (2017), “**DistBlockNet: A Distributed Blockchains-Based Secure SDN Architecture for IoT Networks,**” IEEE Communications Magazine, 55(9), 78-85 [SCI IF 11.052]
- Singh, S., **Sharma, P. K.,** Moon, S. Y., & Park, J. H. (2017), “**EH-GC: An Efficient and Secure Architecture of Energy Harvesting Green Cloud Infrastructure,**” Sustainability, 9(4), 673 [SSCI IF 2.576]
- **Sharma, P. K.,** Moon, S. Y., & Park, J. H. (2017), “**Block-VN: A distributed blockchain based vehicular network architecture in smart City,**” Journal of Information Processing Systems, 13(1), 84 [ESCI, SCOPUS]

Cyber Security

- **Sharma, P.,** Vohra, D., & Rathore, S. (2022), “**Security and Privacy in V2X Communications: How Collaborative Learning can Improve Cybersecurity?,**” IEEE Network [SCIE IF 10.294]

- Gope, P., **Sharma, P. K.**, & Sikdar, B. (2022), "An Ultra-Lightweight Data-Aggregation Scheme with Deep Learning Security for Smart Grid," IEEE Wireless Communications, 29(2), 30-36 [**SCIE IF 12.777**]
- Ghayvat, H., Sharma, M., Gope, P., & **Sharma, P. K.** (2021), "SHARIF: Solid Pod-Based Secured Healthcare Information Storage and Exchange Solution in Internet of Things," IEEE Transactions on Industrial Informatics, 18(8), 5609-5618 [**SCIE: 11.648**]
- Makkar, A., Ghosh, U., **Sharma, P. K.**, & Javed, A. (2021), "A Fuzzy-based approach to Enhance Cyber Defence Security for Next-generation IoT," IEEE Internet of Things Journal [**SCIE IF 9.936**]
- **Sharma, P. K.**, Park, J., Park, J. H., & Cho, K. (2020), "Wearable Computing for Defence Automation: Opportunities and Challenges in 5G Network," IEEE Access, 8, 65993-66002 [**SCIE IF 3.745**]
- Gu, K., Zhang, W., Lim, S. J., **Sharma, P. K.**, Al-Makhadmeh, Z., & Tolba, A. (2020), "Reusable mesh signature scheme for protecting identity privacy of IoT devices," Sensors, 20(3), 758 [**SCIE IF: 3.275**]
- Wang, J., Tang, Y., He, S., Zhao, C., **Sharma, P. K.**, Alfarraj, O., & Tolba, A. (2020), "LogEvent2vec: LogEvent-to-Vector Based Anomaly Detection for Large-Scale Logs in Internet of Things," Sensors, 20(9), 2451 [**SCIE IF: 3.275**]
- Li, W., Xu, H., Li, H., Yang, Y., **Sharma, P. K.**, Wang, J., Singh, S., (2019), "Complexity and Algorithms for Superposed Data Uploading Problem in Networks with Smart Devices," IEEE Internet of Things Journal, DOI:10.1109/JIOT.2019.2949352 [**SCIE IF 9.936**]
- Rathore, S., Ryu, J. H., **Sharma, P. K.**, & Park, J. H. (2019), "DeepCachNet: A Proactive Caching Framework Based on Deep Learning in Cellular Networks," IEEE Network [**SCI IF 8.808**]
- **Sharma, P. K.**, Park, J. H., Jeong, Y. S., & Park, J. H. (2018), "SHSec: SDN based Secure Smart Home Network Architecture for Internet of Things," Mobile Network and Applications [**SCIE IF 2.602**]
- **Sharma, P. K.**, Singh, S., & Park, J. H. (2018), "OpCloudSec: Open Cloud Software Defined Wireless Network Security for the Internet of Things," Computer Communications, [**SCIE IF 2.816**]
- Rathore, S., **Sharma, P. K.**, Loia, V., Jeong, Y. S., & Park, J. H. (2017), "Social network security: Issues, challenges, threats, and solutions," Information Sciences, 421, 43-69 [**SCI IF 5.91**]
- Rathore, S., **Sharma, P. K.**, & Park, J. H. (2017), "XSSClassifier: An Efficient XSS Attack Detection Approach Based on Machine Learning Classifier on SNSs," Journal of Information Processing Systems, 13(4) [**ESCI, SCOPUS**]
- Singh, S., **Sharma, P. K.**, Moon, S. Y., & Park, J. H. (2017), "Advanced lightweight encryption algorithms for IoT devices: survey, challenges and solutions," Journal of Ambient Intelligence and Humanized Computing, 1-18 [**SCIE IF 4.594**]
- Sung, Y., **Sharma, P. K.**, Lopez, E. M., & Park, J. H. (2016), "FS-OpenSecurity: a taxonomic modeling of security threats in SDN for future sustainable computing," Sustainability, 8(9), 919 [**SSCI IF 2.576**]
- Singh, S., **Sharma, P. K.**, Moon, S. Y., Moon, D., & Park, J. H. (2016), "A comprehensive study on APT attacks countermeasures for future networks communications: challenges solutions," The Journal of Supercomputing, 1-32 [**SCI IF 2.469**]

System Security

- Sahoo, B. P., Puthal, D., & **Sharma, P. K.** (2022), "Toward Advanced UAV Communications: Properties, Research Challenges, and Future Potential," IEEE Internet of Things Magazine, 5(1), 154-159
- Gupta, S., Garg, R., Gupta, N., Alnumay, W. S., Ghosh, U., & **Sharma, P. K.** (2021), "Energy-efficient dynamic homomorphic security scheme for fog computing in IoT networks," Journal of Information Security and Applications, 58, 102768 [**SCIE IF: 2.327**]
- Singh, S., **Sharma, P. K.**, Yoon, B., Shojafar, M., Cho, G. H., & Ra, I. H. (2020), "Convergence of blockchain and artificial intelligence in IoT network for the sustainable smart city," Sustainable Cities and Society, 63, 102364 [**SCI IF: 5.268**]
- Jo, J. H., **Sharma, P. K.**, Sicato, S., Costa, J., & Park, J. H. (2019), "Emerging Technologies for Sustainable Smart City Network Security: Issues, Challenges, and Countermeasures," Journal of Information Processing Systems, 15(4) 84 [**ESCI, SCOPUS**]
- Sicato, S., Costa, J., **Sharma, P. K.**, Loia, V., & Park, J. H. (2019), "VPNFilter Malware Analysis on Cyber Threat in Smart Home Network," Applied Sciences, 9(13), 2763 [**SCIE IF: 2.474**]
- Ryu, J. H., **Sharma, P. K.**, Jo, J. H., & Park, J. H. (2019), "A blockchain-based decentralized efficient investigation framework for IoT digital forensics," The Journal of Supercomputing [**SCI IF 2.469**]
- Singh, S., **Sharma, P. K.**, & Park, J. H. (2017), "SH-SecNet: An Enhanced Secure Network Architecture for the Diagnosis of Security Threats in a Smart Home," Sustainability, 9(4), 513 [**SSCI IF 2.576**]
- **Sharma, P. K.**, Moon, S. Y., Moon, D., & Park, J. H. (2017), "DFA-AD: a distributed framework architecture for the detection of advanced persistent threats," Cluster Computing, 20(1), 597-609 [**SCIE IF 3.458**]

For more detail publications, please visit my google scholar profile

<https://scholar.google.co.in/citations?user=jiFOcRkAAAAJ&hl=en>

Declaration

I assert you that the information furnished above are all true to my knowledge.