## Dr. Sudesh Kumar

Assistant Professor
Department of Computer Science
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## Academic Qualifications

- Doctor of Philosophy [Computer Science]
- Master of Engineering [Computer Science & Engineering]
- Master of Science [Mathematics]

## Current Research Interest

Flying Ad-hoc Networks, Vahicular Ad-hoc Networks, Theoretical Computer Science, AI and ML

## Work Experience (13 Year+)

- Assistant Professor, Department of Computer Science, Indira Gandhi National Tribal University, A Central University, Amarkantak, Madhya Pradesh, India **(Sept'2012-present)**
- Assistant Professor, Department of CSE, Central University of Rajasthan, India **(Jul'2010-Sept'2012)**
- Sr. Lecturer, Department of CSE, NIMS University, Jaipur, Rajasthan, India **(Aug'2009-Jul'2010)**

## Achievements

- Qualified **UGC-NET (Computer Science)** June-2012
- Qualified **GATE (Computer Science),** MHRD, Govt. ofIndia-2008
- Qualified **GATE (Mathematics),** MHRD, Govt. ofIndia-2007
- Qualified **DRDO SET-2006**, Govt. of India, Ministry of Defence

**Research Publication in International Journal:**15 **Publish Patents:**01 **Book Chapter:**10
**Paper Presented in Conferences/Seminar/Workshop:**10 **Invited Talk/Expert Lecture:**10
**M. Tech/M.Sc./MCA Dissertation Supervision:** 20 **Ph.D. Ongoing Supervision:**01
**Refresher/Orientation/Winter School/FDP/Workshop/Conference/ STTP Attended:** 20
**Reviewer:** IEEE Access, Journal of Supercomputing, IGI Global
**Membership of Professional Bodies:** ACM, CSI, UACEE
**Administrative Works:** Hostel Warden, NSS Program Officer, Member of BoS, Departmental Sports Coordinator, Member of Library Committee.

## Latest Journal Publications (SCI/SCOPUS)

- **S. Kumar,** R. S. Raw, A. Bansal, P. Singh (2023). UF-GPSR: Modified geographical routing protocol for flying ad-hoc networks, *Transactions on Emerging Telecommunications Technologies, Wiley*. **(SCI, IF 3.6).**
- N. K. Rathore, Y. Khan, **S. Kumar,** P. Singh, S. Verma (2023). An evolutionary algorithmic framework cloud based evidence collection architecture, *Multimedia Tools and Applications, Springer*, **(SCI, IF 3.6).**
- **S. Kumar,** R. S. Raw, A. Bansal (2022). LoCaL: Link-oriented cone-assisted location routing in flying ad hoc networks, *International Journal of Communication Systems, Wiley,* 36(2), e5375. **(SCI, IF 2.1).**
- **S. Kumar,** N. K. Rathore, M. Prajapati and S. K. Sharma (2022). SF-GoeR: an emergency information dissemination routing in flying ad-hoc network to support healthcare monitoring, *Journal of Ambient Intelligence and Humanize Computing, Springer*,14, 9343–9353. **(SCI, IF 3.662).**
- **S. Kumar,** R. S. Raw and A. Bansal, M. A. Mohammed, P. Khuwuthyakorn and O. Thinnukool (2021) 3D Location Oriented Routing in Flying Ad-Hoc Networks for Information Dissemination, in *IEEE Access,* 9, 137083-137098. **(SCI, IF 3.476).**
- S., **S. Kumar**, S. K.Sharma, S. A. Khna, P. Singh (2022). Simulation-based performance evaluation of VANET routing protocols under Indian traffic scenarios, *ICIC Express Letters,* 16 (01), 67-74. **(SCOPUS)**
- P. Gupta, **S. Kumar,** Y. B. Singh, P. Singh, S. K. Sharma, N. K. Rathore (2022). The Impact of Artificial Intelligence on Renewable Energy Systems, *NeuroQuantology,* 20 (16), 5012-5029. **(SCOPUS)**
- **S. Kumar,** R. S. Raw, A. Bansal (2021). A. Minimize the routing overhead through 3D cone shaped location-aided routing protocol for FANETs. *International journal of Information Tecnology, Springer,* 13, 89–95. **(SCOPUS)**