

Biosketch

Faculty Name: Dr. Rupali Agarwal



Areas of Interest:

Digital Electronics, Microprocessors, Microcontrollers, Wireless Communication

Education

- Ph.D., Dr. APJ AKTU, Lucknow
- M.Tech, Harcourt Butler Technical University, Kanpur
- B.Tech, Dr. APJ AKTU, Lucknow

Academic/Industrial Experience

1. At present, Associate Professor, Electronics & Communication Engineering, BBDITM, Lucknow
2. Assistant Professor, Electronics & Communication Engineering, BBDITM, Lucknow, 2011-2022.
3. Assistant Professor, Electronics & Communication Engineering, AIMT, Lucknow, 2010-2011.
4. Faculty for Technical software, QMS SoftTech Pvt. Ltd., Lucknow, 2007-2010
5. Application Engineer, Quarbz Marketing Systems, Kanpur, 2005-2007.

Selected Publications

- **Rupali Agarwal, Neelam Srivastav, Himanshu Katiyar, “Performance of Multi-antenna Relay in Cognitive Radio Network” *International Journal of Electronics (Taylor & Francis)*, Vol. 10, Issue 4, 2021 pp 414-427 [SCI Indexed] DOI: 10.1080/21681724.2021.1969434**
- **Rupali Agarwal, Neelam Srivastav, Himanshu Katiyar, “Performance Improvement of Energy Detector in Cognitive Radio using SECP Diversity Combining Technique over Fading Channel” *International Journal of Wireless and Mobile Computing (IJWMC)*, Inderscience, Vol. 18, No. 2, 2020 [Scopus Indexed] DOI: 10.1504/IJWMC.2020.105706**
- **Rupali Agarwal, Neelam Srivastav, Himanshu Katiyar, Theoretical Investigation of Different Diversity Combining Techniques in Cognitive Radio” in “*Journal of Telecommunications and Information Technology*” Vol 3, Issue 3, 2018 pp. 64-69. [Scopus Indexed] DOI: 10.26636/jtit.2018.124618**

- **Rupali Agarwal**, Neelam Srivastav, Himanshu Katiyar, “Analysis of Switch and Examine Combining with Post Examining Selection in Cognitive Radio” in **International Journal of Electronics (Taylor & Francis)**, Vol. 105, No. 6, pp. 941-950nov’ 2017. [SCI Indexed] DOI: **10.1504/IJWMC.2020.105706**
- Himanshu Katiyar, Ashutosh Rastogi, **Rupali Agarwal**, “**Cooperative communication: A Review**” in **IETE** Vol. 28, No. 5, Sept-Oct 2011, pp. 409-417. [SCI Indexed] DOI: 10.4103/0256-4602.85972;
- **Rupali Agarwal**, Rachna Asthana, “**A review on placement of wavelength converters in WDM p-cycle networks**” in the **International Journal of Advance Engineering & Technology(IJAET)** Vol. 1, Issue 2,pp.166-175. DOI: 10.7323/ijaet/v1_iss2, ISSN: **2231-1963 [UGC Approved]**

Conference Publication

- **Rupali Agarwal**, Neelam Srivastava, Himanshu Katiyar, “On the Energy Detection of Unknown Signals over Fading Channel for Different Diversity Combining Techniques” in proc. of conf. “IEOM-2016” held in Kuala Lumpur, Malaysia.
- **Rupali Agarwal**, Neelam Srivastava, Himanshu Katiyar, “Energy Detection of Unknown Signals over Rayleigh Fading Channel for EGC and SSC Diversity Combining Techniques”, in proc. of conf. “ICETEESES-16” held in KNIT, Sultanpur on 11-12 March 2016 (ISSN no 978-1-5090-2118-5).
- **Rupali Agarwal**, Neelam Srivastava, Himanshu Katiyar, “A survey on different power allocation techniques in cooperative communication” in proc. Of conf. “COTII’13” held in Ambalika Institute of Management & technology, Lucknow.
- **Rupali Agarwal**, Neelam Srivastava, Himanshu Katiyar and Rohit Sachan, “On Power Allocation Strategies in co-operative communication” in proc. of International conf. “ICETDSMT’13” held in RKGIT, Ghaziabad. ISBN no: 978-81-924342-2-3
- **Rupali Agarwal**, Neelam Srivastava, Himanshu Katiyar and Pramod Gupta, “Space Diversity in Broadband wireless communication” in proc. Of conf. “Rural Empowerment through broadband’13” organized by IET, Lucknow.
- **Rupali Agarwal**, Rachna Asthana, “**Analysis on placement of wavelength converter in WDM network**” in proc. of conf. “SPRTOS’11 ” held in H.B.T.I, Kanpur, India.(26-27 march).

Book Publication

- **Rupali Agarwal**, Neelam Srivastava, “**Analysis on placement of wavelength converters in all optical WDM network**”, in “LAMBERT academic publishing” project no 73281, ISBN 978-3-8383-2934-5.

MEMBERSHIP: Life time member of International Association of Engineers.

Role as a Reviewer:

1. International Journal of Communications Systems, Wiley Publications
2. IEEE Internet of Things Journal
3. International Journal of Electronics (Taylor & Francis)