

Sheilza Jain
Associate Professor

Department of Electronics Engineering
J. C. Bose University of Science and
Technology, YMCA, Faridabad 121006
(Haryana), India
(formerly, YMCA University of Science &
Technology : A State Govt. Univ. under
section 2f & 12B of UGC

Contact detail
sheilzajain@jcboseust.ac.in



Qualification B. Tech (2000)
Electronics and Communication Engineering,
Kurukshetra University, Kurukshetra, Haryana

M. Tech (2007)
Instrumentation and Control Engineering
Maharishi Dayanand University, Rohtak, Haryana

Ph.D (2014)
Electronics Engineering
Area: Control System
Maharishi Dayanand University, Rohtak, Haryana

Research Area Control System, Semiconductor Devices, IoT

Teaching Experience 25 Years

Brief Biography:

Sheilza Jain did B. Tech in Electronics and Communication Engineering from Kurukshetra University, Kurukshetra, India and M. Tech with specialization in Instrumentation and Control System from Maharishi Dayanand University, Rohtak, India. She has completed her Ph.D from Maharishi Dayanand University, Rohtak, India in 2014. Presently she is working as Associate Professor in the Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA Faridabad, India. She has more than 25 Years of teaching experience and guided 4 scholars for their research work. She has guided more than 20 M. Tech students for their dissertation. She has more than 60 publications in National as well as International Journals and conferences to her credit. Her area of research interest are Controls Systems & Design and Semiconductor Devices. She is life time member of Institute of Engineers, India, Indian Society for Technical Education (ISTE), Life Time Member of The Indian Science Congress Association (ISCA) and member of Institute of Engineering and Technology (IET).

Administrative Responsibility:

- Deputy Training and Placement Officer (2024....)
- Executive Editor, of e-Journal (J.C. Bose Journal of Science and Technology) 2023.....
- Member, Board of faculty for Engineering and Technology (23-04-2025....)
- Nodal Officer, CSIR (2021.....)
- Coordinator, NITTTR, Chandigarh (2021.....)
- Co- coordinator, Unnat Bharat Abhiyan (UBA) Cell (2018.....)

- Member, Research and Development cell (2022.....)
- Worked as Research Coordinator (2016-2022)
- Additional Chief Hostel Warden (2017-2019)
- Hostel Warden (2015-2018)
- Centre Superintendent (Ph.D.), 2018
- Centre/ Deputy Superintendent (PG courses)
- IIC Mentor Mentee (Institutes/Schools) Coordinator (2022)
- IIC Team Member (Jan.2019- Dec.2022)
- NAAC Core Team Member
- NIRF Core Team Member (2021-2022)
- ISFT 2021 Core Team Member
- Coordinator/Member of Organising Committee for various Conferences, Short Term Courses , FDPs, Workshops, webinars etc.
- Member of Energy Literacy Training for Youth (AICTE Initiative)
- Member of Admission Committees (UG, PG, Ph.D.)
- Invigilation Duties

Responsibilities at Department Level

- Ph.D. Coordinator
- Class Coordinator
- Department purchase committee member
- CO-PO Coordinator (EEIOT Branch)
- Syllabus Coordinator EEIOT
- BOS member (PG studies & Research, 2018-2020)
- DRC member
- Member-Curriculum Development Committee
- Sessional Test Coordinator
- NAAC team Member
- NBA team Member
- Member- Syllabus Revision Workshop
- Member of various Departmental Committees
- Class Mentor
- Invigilation Duties

Contribution Beyond University:

- Technical Program Committee member of Various Conferences (SPIN (2019-2023), OWT (2018, 2019), RDCAPE, ICACCT (2019))
- Reviewer of various Journals and Conferences
- Member of Technical program Committee for various conferences
- Session Chair (SPIN 2023)
- Resource Person of FDP organised by NITTTR, Chandigarh and NEP 2020 for various Govt. Schools
- Jury member of Science Exhibition at Govt. school.

Awards and Recognitions

- “Jivisha : Tele Consultation helpline for Covid .19” By District Administration, Faridabad
- Superwomen Award by Cloudnine Hospital, Faridabad

Membership in Professional Associations

- Life time member of ISTE
- Member, IET
- Life Time Member of Institute of Engineer, India

- Member of IEEE
- Life Time Member of “The Indian Science Congress Association”

Research Contribution:

- **Project:** Member, Project Implementation Group for Institutional Research and Development Grant received from Directorate of Technical Education, Government of Haryana, India
- **Ph. D Guided/Guiding:** 4
- **M. Tech Dissertation/ B. Tech Project Supervision:** 45

PUBLICATIONS

International/National Journals

1. Ritika Thusoo, Sheilza Jain, Sakshi Bangia, "Low-cost and Efficient Quadrotor for Medicine Delivery and IoT based Air Quality Monitoring", Journal of Scientific & Industrial Research, Oct. 2024, 1104-1113, <https://nopr.niscpr.res.in/handle/123456789/64724>.
2. Sandeep Rangi, , Sheilza Jain,, Yogendra Arya, "Utilization and performance comparison of several HESS with cascade optimal-FOD controller for multi-area multi-source power system under deregulated environment", Journal of Energy Storage, July, 2024, 1-18, 2352-152X, <https://www.sciencedirect.com/science/article/abs/pii/S2352152X24020553>
3. Savita Lohat, Sheilza Jain, Rajender Kumar, "Fractional mayfly optimization algorithm-based Infrastructure-to-Vehicle and Vehicle-to-Vehicle scheduling for service message transmission in IoV-Fog", International Journal of Communication Systems, March 2023, 1-18, ISSN 1074-5351 <http://DOI.ORG/10.1002/DAC.5479>
4. Savita Lohat, Sheilza Jain, Rajender Kumar, "AROA: Adam Remora Optimization Algorithm and Deep Q network for energy harvesting in Fog-IoV network, International Journal of Applied Soft Computing, Vol. 136, ISSN 1568-4946
<https://www.sciencedirect.com/science/article/pii/S156849462300090X>,
5. Savita Lohat, Sheilza Jain, Rajender Kumar, "An efficient task offloading strategy based on Aquila Student Psychology Optimization Algorithm in internet of vehicles-fog computing systems", International Journal of Communication Systems, ISSN 1074-5351 <https://doi.org/10.1002/dac.5677>.
6. Sandeep Rangi, Sheilza Jain, Yogendra Arya,, "SSA-optimized cascade optimal-PIDN controller for multi-area power system with RFB under deregulated environment" Optimal Control Applications and Method, Jan 2023, 1-23, <https://onlinelibrary.wiley.com/doi/abs/10.1002/oca.2962>
7. Sandeep Rangi, Sheilza Jain, Yogendra Arya, "Utilization of energy storage devices with optimal controller for multi-area hydro-hydro power system under deregulated environment" Sustainable Energy Technologies and Assessments, April 2022, Vol 52(C), <https://doi.org/10.1016/j.seta.2022.102191>.
8. Savita Lohat, Sheilza Jain, Rajender Kumar, "Optimised Delay and Basic Safety Messages In Fog Computing Using Extended Grey Wolf Optimisation (EGWO)", Webology, Nov. 21, Vol. 18(6), pp. 274-287, [20220212054059pmwebology 18 \(6\) - 73 pdf.pdf](https://doi.org/10.1016/j.seta.2022.102191)
9. Mayank Nehra, Sheilza Jain, "Estimation of renewable biogas energy potential from livestock manure: A case study of India" Bioresource Technology Reports (Web of Science: ESCI), Vol. 22, E – ISSN-2190-6823, Print ISSN 2190-6815, 1-17, <https://doi.org/10.1016/j.biteb.2023.101432>

10. Mayank Nehra, , Sheilza Jain, "Feasibility assessment of biomass for sustainable power generation to mitigate climate change in a rural cluster: a case study in India" Biomass Conversion and Biorefinery, May, 2023, Vol. 14, 22367-22384, <https://doi.org/10.1007/s13399-023-04351-1>,
11. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia} "Control of non-linear Quadrotor using PID and Backstepping Techniques", International Journal of Engineering Trends and Technology, July 2021, Vol 69(7), pp. 167-173, <https://ijettjournal.org/archive/ijett-v69i7p223>
12. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia}, "An Evaluation of UAV Path Following and Collision Avoidance Using NFMGOA Control Algorithm", Wireless Personal Communications, August 2021, Vol 122(2), pp 1247-1266, <https://doi.org/10.1007/s11277-021-08947-6>
13. Sheilza Jain, Megha Chambyal, Comparative Analysis of Various Maximum Power Point Tracking Technique for Photovoltaic System", PIMT Journal of Research, UGC approved (care list), ISSN 2278-7925, Vol. 13, 2 Jan -March_21.
14. Sheilza Jain, Megha Chambyal, "Development and Analysis of Inverted-V MPPT Technique for Photovoltaic System" , Information technology in Industry, ESCI indexed journal ISSN 2203-1731, Vol 9, (1), 2021
15. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia}, Quadrotors in the Present Era: A Review, Information technology in Industry, ESCI indexed journal ISSN 2203-1731, Vol 9,(1) , 2021
16. Sheilza Jain "Steam Temperature Control of a Boiler Using Neural Network Based By Simulation Under MATLAB Simulink" International research journal of Management, Science and Technology,(UGC listed Journal, No. 47959, Vol 8, issue 12, Dec. 2017, pp. 170-175, 2017.
17. Sheilza Jain, Sobodhkant, PID Controller for Longitudinal Parameter Control of Automatic Guided Vehicle, International Research Journal of Engineering and Technology (IRJET), Volume: 03 Issue: 06 , June-2016
18. Sheilza Jain, Nilesh Kumar, "Pole Placement Control Technique for Tracking Path Control of UAV by Longitudinal and Lateral Parameters Control", International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169,pp. 5815-5821, Volume: 3(10), Oct. 2015.
19. Sheilza Jain, Sakshi Kalra, Komal Sharma, "Design and Analysis of Smith Predictor Compared With PI Controller, IJSER, Vol. 5 (5), May 2015.
20. Sakshi Bangia, Sheilza Jain, Neha, "DC Motor Control System Using Model Predictive Controller", International Research Journal of Engineering and Technology (IRJET), Vol. 02 (2), May-2015.
21. Sheilza Jain, Nilesh Kumar, "Identification, Modeling and Lateral Parameters Control Of Unmanned Aerial Vehicle", Journal on Instrumentation & Control Engineering, Vol. 3(1) , November 2014 - January 2015.
22. Sheilza Jain, "Settling Time Improvement of Piezoelectric Actuated Nanopositioning System Using Fuzzy Logic Based PID Controller", International Journal of Multidisciplinary and Academic Research, June 2015.
23. Sheilza Jain, Sakshi Bangia, Ashish Kumar, Identification and Position Control of Nanopositioning System using Double Integral Action, International Journal of Engineering Technology, Management and Applied Sciences, May 2015, Volume 3, Issue 5, ISSN 2349-4476.
24. Sheilza Jain, Sakshi Kalra, Jitendra kumar Goyal, "System Identification and Creep Compensation of Nanopositioning System Using Proportional and Double Integral Action",

International Journal of Advanced Research in Computer and communication Engineering, Vol. 4, Issue 5, May 2015.

25. Sheilza Jain, Sakshi Bangia, Jitendra Kumar Goyal, "Tracking Control of Nanopositioning System Using Proportional and Double Integral Action", International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 02 Issue: 02, May-2015.
26. Sheilza Jain and Anika Chhabra, Tracking Path Control of Robotic Manipulators Using Radial Basis Function Neural Network, i-manager's Journal on Instrumentation & Control Engineering, Vol. 2 1 No. 31, May - July 2014.
27. Nilesh Kumar and Sheilza Jain, "Identification, Modeling and Control of Unmanned Aerial Vehicles", International Journal of Advanced Science and Technology, Vol.67, pp.1-10, 2014.
28. Sheilza Jain and Anika Chhabra, "Control for Robotic Manipulators with Proportional Integral Derivative & Computed Torque Control", International Journal of Advances in Engineering Sciences Vol.4, Issue 2, April , 2014.
29. Sheilza Jain and Anika Chhabra, "Tracking Control of Robotic Manipulator using PID, Computed Torque Control and Sliding Mode Control Techniques, Journal of Advancement in Robotics Volume 1, Issue 2, 2014.
30. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Design and Simulation of Robust Controller for Flexure Stage Based Piezo-Actuated Nanopositioning Device", International Journal of Control and Automation, Vol. 6 (2), pp. 17-28, 2013.
31. Swati Gaur, Sheilza Jain, Design of Iterative Learning Control to suppress the disturbances in Bus Suspension" Journal of Instrumentation and control Engineering, Vol. 1 (2), Feb.- April 2013.
32. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Design of feedback controller for non- minimum phase nano positioning system", Advanced Material Letters, Vol. 4(1), pp. 31-34, 2013.
33. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Identification and Iterative Learning Control of piezoelectric actuator based nanopositioning System," International Conference on Emerging Trends in Engineering and Management, Proceeding published by International Journal of Advances in Engineering Sciences, Vol. 3(3), July 20-21, 2013.
34. Swati Gaur, Sheilza Aggarwal, "Vibration Control of Bus Suspension System using PI and PID controller", International Conference on Emerging Trends in Engineering and Management, Proceeding published by International Journal of Advances in Engineering Sciences, Vol. 3(3), July 20-21, 2013.
35. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Design and Simulation of PID controller of nanopositioner for minimum integral of error", National conference on Science in Media, proceedings published by IJMRS's International Journal of Engineering Sciences, ISSN (Online): 2277-9698, 2012.
36. Swati Gaur, Sheilza Jain, "Performance improvement of bus suspension system using PID controller" International Journal of Engineering Sciences, ISSN (Online): 2277-9698, 2012.
37. Garima, Sheilza Jain, "Modeling and Performance Improvement of Inverted pendulum using PID controller" International Journal of Engineering Sciences, ISSN (Online): 2277-9698, 2012.
38. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Design of Linear Quadratic Optimal Regulator for Nanopositioning System", Journal of Nano-Science, Nano Engineering & Applications, Vol. 2(2), pp. 12-27, 2012.

39. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Design of pole Placement regulator for Nanopositioning Device", International Journal of Nano systems, Vol. 5 (1), pp. 19-27, 2012.
40. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Comparative Analysis of Traditional and Modern Controllers for Piezoelectric Actuated Nanopositioner", International Journal of Nano Devices, Sensors and Systems (IJ-Nano) Vol. 1(2), pp. 53-64, 2012.
41. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Disturbance rejection of Nanopositioner using Internal Model Control", Journal on Electronics Engineering, Vol. 2(4), pp. 1-7, 2012.
42. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Identification and Performance improvement of Nano-positioning Devices," International Journal of Applied Engineering Research, Volume 6(5) pp. 627-631, 2011.

- **Paper Presented in National/International Conferences**

1. “Geometry Optimization of Interdigital Capacitive Sensors for Enhanced Dielectric Detection in Frying Oil Quality Assessment”, 40th National Convention of Electronics & Telecommunication Engineers and National Conference on IoT and Sensor Embedded IoT: Driving Smart Connectivity, IEI Faridabad Local Centre in association with J.C. Bose University of Science & Technology, YMCA, Faridabad, 03-04 Dec, 2025
2. A Novel Fog Node Selection Approach in Fog-IoV Network, 40th National Convention of Electronics & Telecommunication Engineers and National Conference on IoT and Sensor Embedded IoT: Driving Smart Connectivity, IEI Faridabad Local Centre in association with J.C. Bose University of Science & Technology, YMCA, Faridabad, 03-04 Dec, 2025
3. Sheilza Jain, Sakshi, “IoT Application for weather and Air Pollution Monitoring”, 10th International Symposium on Fusion of Science and Technology, 2024, JCBUST, YMCA, Faridabad, 04-08 Jan 2024.
4. Sandeep Rangi, Sheilza Jain, Yogendra Arya, “SSA Optimized cascade Optimal -FOPD Controller for Multi Area Power System with RFB Under Deregulated Environment” 10th International Symposium on Fusion of Science and Technology, 2024, JCBUST, YMCA, Faridabad, 04-08 Jan 2024.
5. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia}, “Development of IoT Based Unmanned Aerial Vehicle”, 10th International Symposium on Fusion of Science and Technology, 2024, JCBUST, YMCA, Faridabad, 04-08 Jan 2024.
6. Sandeep, Sheilza Jain, Yogendra Arya, “SSA-Based FOPID Controller for AGC of Two-Area Multi-source Power System Incorporating HES Under Deregulated Environment”, International conference on Power Engineering and Intelligent System (PEIS2023), National Institute of Technology Delhi, June 24-25, 2023, **Book Chapter, Springer**.
7. Savita Lohat, Sheilza Jain, Rejender Kumar, “Suitability of Fog Computing in health care for efficient task offloading”, International Conference on Role of ICT to provide Digital Health for all (ICRIDH 2023), Aravali College of Engineering and management, Faridabad, June 24, 2023.
8. Mayank Nehra, Sheilza Jain, “Issues and barriers in Techno economic optimization for telemedicine”, International Conference on Role of ICT to provide Digital Health for all (ICRIDH 2023), Aravali College of Engineering and management, Faridabad.
9. Savita Lohat, Sheilza Jain, Rejender Kumar, “Improved Delay and PDR For Iov-Fog Nets Using Fractional Mayfly Optimization Algorithm”, 2nd International Conference on Advances in Computing, Communication and Security (I3CS-2023), NIT Kurukshetra, Kurukshetra, 01-03 June 2023, **ITM Web of Conferences**.
10. Sandeep, Sheilza Jain, Yogendra Arya, “Optimal AGC of two-area multi-source power system incorporating ES under deregulated environment”, International conference on Recent Development in Electrical and Electronics Engineering ICRDEEE, 15-16 April 2022, JCBUST, YMCA, Faridabad. **Book Chapter, Springer**.
11. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia}, “Path Planning of Quadrotor using A* and LQR”, International conference on Recent Development in Electrical and Electronics Engineering, ICRDEEE, 15-16 April 2022, JCBUST, YMCA, Faridabad. **Book Chapter, Springer**.
12. Gaurav Kumar, Manish Tiwari, Megha Chambyal, Sheilza Jain, Morse Tool- A digital communication aid for Visually Impaired”, International Conference on Ubiquitous

Computing and Intelligent Information Systems, ICUIS 2021, 16-17 April, 2021. **Book Chapter, Springer.**

13. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia}, “Altitude Control of Quadrotor Using PID Control”, international conference on Advances in Sustainable Energy, Environment and Engineering (ICASEE 2021) 16-17 April 2021, JCBUST, YMCA, Faridabad. **Book Proceeding, Bharti Publication.**
14. Sandeep, Sheilza Jain, “Design of Optimal Automatic Generation Control for Interconnected Deregulated Power System” International conference on Advances in Sustainable Energy, Environment and Engineering (ICASEE 2021) 16-17 April 2021, JCBUST, YMCA, Faridabad. **Book Proceeding, Bharti Publication.**
15. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia}, “PID control of Quadrotor”, International Conference on Advances in Communication and Computational Technology, Springer Book Chapter, **6-7 Dec. 2019**, NIT Kurukshetra
16. Ritika Thusoo, Sheilza Jain^{Sakshi Bangia}, “PID and MRAC control of Quadrotor”, Recent Development in Control Automation and Power Engineering, RDCAPE, 10-11 Oct. 2019 2019, Amity University, Uttar Pradesh.
17. Sheilza Jain, Waseem Akram Rana, “Tracking Control of High Precision Positioning System” National Conference on New Horizons in technology for Sustainable Energy and Environment (NHTSEE),” 09-10 March, 2017, YMCAUST, Faridabad.
18. Sheilza Jain, Manpreet kaur, Fuzzy Based Steam temperature Control of a Boiler using MATLAB Simulink” National Conference on New Horizons in technology for Sustainable Energy and Environment (NHTSEE),” 09-10 March, 2017, YMCAUST, Faridabad.
19. Sheilza Jain, Manpreet kaur, Neural Network Based Steam temperature Control of a Boiler by Simulator Under MATLAB Simulink” International Conference on Sustainable Development through Research in Engineering Management (SDREM),” 26-27 Dec. 2016, YMCAUST, Faridabad.
20. Sheilza Jain, Waseem Akram Rana, “P and PI Control of High Precision Positioning System” International Conference on Sustainable Development through Research in Engineering Management (SDREM)”, 26-27 Dec. 2016, YMCAUST, Faridabad.
21. Sheilza Jain, Saurabh Sharma, “Speed Control of Mobile Robotic System Using PI, PID and Pole Placement Controller”, IEEE Conference ICPEICES, DTU Delhi, 04-06 July 2016.
22. Sheilza Jain, Subodhkant , “Modeling and Identification of automatic Guided Vehicle for Longitudinal parameter Control” National Conference on Role of Science and Technology Towards “Make in India” 05-07 March 2016, YMCAUST, Faridabad.
23. Sheilza Jain, Saurabh Sharma, “Identification and parameter control of Mobile Robotic System” National Conference on Role of Science and Technology Towards “Make in India” 05-07 March 2016, YMCAUST, Faridabad.
24. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, Transient Response Characteristics Improvement of Fast Nanopositioning System Using Conventional Control”, National Conference on Nanomaterials and Instrumentation” NIT Kurukshetra on 9-10 March 2014.
25. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, “Methodologies for PID Controller Tuning of Nanopositioning System” 2012 IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCCT), Tamilnadu, 2012.
26. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, “Stability Analysis of Flexure Stage based Siso Nanopositioning Device”, International conference on Control system and power electronics” published in Springer Digital Library, December, 2012.

27. Shruti Kulshrestha, Sheilza Jain, "Performance and sensitivity analysis of arbitrary order plant for time delay as uncertainties using PI controller, National conference on Science in Media, YMCA UST, Faridabad, 3-4 Dec. 2012.
28. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, Design and simulation of PID controller for nanopositioner for minimum integral of error, National conference on Science in Media, YMCA UST, Faridabad, 3-4 Dec. 2012.
29. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Controller Design Methodologies for Nanopositioning Device", Workshop on Nanotechnology and Embedded systems, YMCA UST Faridabad, 23rd July-3rd August, 2012.
30. Seema Sharma and Sheilza Jain, "pH control using fuzzy logic controller/Matlab" Workshop on Nanotechnology and Embedded systems, YMCA UST Faridabad, 23rd July-3rd August, 2012.
31. Seema Sharma, Sheilza Aggarwal, " pH control system using AT89C2051 Microcontroller" National Conference on New Paradigms in Electronics, Communication and Computing, Echelon Institute of Technology, Faridabad, 19th May 2012.
32. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, "Nanopositioning: An Enabling Technology for Storage Application", Symposium on Nanotechnology- an Interdisciplinary Aspects, YMCAUST, Faridabad, Dec. 2012.
33. Sheilza Jain, Akhilesh Swarup, Maneesha Garg, " Nanoscale Optical Biosensors - an enabling technology for cellular diagnosis", National conference on Advances in Power systems and energy management, Chitkara Institute of Engineering and Technology, Punjab, 2008.
34. Sheilza Aggarwal, "Performance analysis of 6H- SiC DIMOSFET using Gaussian profile and Field dependent mobility," National conference on signal processing, Jaypee Institute of Engineering and Technology, March 2008.
35. Sheilza Aggarwal, Dr. S.K. Sharma and Sonali Sinha, "Analysis of 6H-SiC DIMOSFET for low power dissipation and high breakdown voltage" National seminar on Emerging trends in Communication, ABES Gaziabad, 2007.
36. Sheilza Aggarwal, Sonali Sinha, "Design and performance improvement of 6H- SiC DIMOSFET using different doping profile, "National Conference on Emerging Trends in Signal Processing and Communication, Pune, 2007.
37. Sheilza Aggarwal, Sonali Sinha, "Solution for Channel assignment problem in wireless communication system using genetic algorithm, "National Conference on Emerging Trends in Signal Processing and Communication, Pune, 2007.
38. Sheilza Jain, Munish Vashishth, "Performance analysis of 6H-SiC DIMOSFET using Gaussian doping profile", National conference on Communication system, PDM college of Engineering, Bahadurgarh, 2008.