

Bio-Data

Name: DR. SANJEEV DEWRA



DESIGNATION

Associate Professor (ECE)
Shaheed Bhagat Singh State Technical Campus, Ferozepur (Punjab), India.
Established by Govt. of Punjab, INDIA

CONTACT ADDRESS

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RESEARCH INTERESTS

Optical and Wireless Communication Systems

ACADEMIC CREDENTIALS

Thapar University, Patiala (2014)

- Ph. D. in Electronics and Communication Engineering
- Supervisor: Dr. R.S.Kaler Co-Supervisor: Dr. Kuldip Singh
- Thesis Topic : Performance Analysis of DWDM Systems with Optical Add Drop Multiplexers and Optical Cross Connects

GNDEC, Ludhiana (2002)

- M.E in Electronics & Communication Engineering
- Supervisor: Prof. Kawaljit Singh
- Master Thesis: Performance Analysis of Short Term Congestion control in ATM Network through Policing Mechanism

Mahatma Gandhi Missions College Engg. & Tech. Nanded, Marathwada University, Aurangabad (1989-1993)

- B.E in Electronics & Tele Communication Engineering

ADDITIONAL QUALIFICATIONS

- Diploma in Marketing from Institute of Management Technology, Ghaziabad in 1995.

PROFESSIONAL EXPERIENCE

- **Lecturer (15.10.93-28.2.94 and 4.4.94-30.6.94)** in Govt. Polytechnic, Ferozepur
- **Lecturer and HOD (5.8.1994 - 12.7.1999)** in Saint Kabir Institute of Pharmaceutical & Technical Education, Fazilka
- **Lecturer and HOD (13.7.1999 - 16.7.2000)** in Lala Lajpat Rai Institute of Engineering & Technology, Moga
- **Lecturer (17.7.2000 – 01.8.2003(F.N))** in the Department of Electronics and Communication Engineering at Giani Zail Singh College of Engineering & Technology, Bathinda (Punjab)
- **Lecturer (01-08-2003(A.N)– 16-07-2005)** in the Department of Electronics and Communication Engineering at **SBS College of Engineering & Technology, Ferozepur.**
- **Lecturer (Senior Scale) (17-07-2005—31-12-2005)** in the Department of Electronics and Communication Engineering at **SBS College of Engineering & Technology, Ferozepur.**
- **Assistant Professor(S.S) (01-01-2006—16-07-2010)** in the Department of Electronics and Communication Engineering at **SBS College of Engineering & Technology, Ferozepur.**
- **Assistant Professor (S.G) (17-07-2010—16-07-2013)** in the Department of Electronics and Communication Engineering at **Shaheed Bhagat Singh State Technical Campus, Ferozepur**
- **Associate Professor (17-07-2013—Todate & Still Continuing)** in the Department of Electronics and Communication Engineering at **Shaheed Bhagat Singh State Technical Campus, Ferozepur**

Total Experience: - 26 Years.

ADMINISTRATIVE EXPERIENCE:

- Head of Department in ECE at **Saint Kabir Institute of Pharmaceutical & Tech. Education (From 17.04.1997 to 12.07.1999)**
- Head of Department in ECE at **Lala Lajpat Rai Institute of Engineering & Technology-Moga (From 13.07.1999 to 16.07.2000)**
- Training and Placement Officer in **Shaheed Bhagat Singh State Technical Campus, Ferozepur (From 04.6.2015 to 26.12.2016)**
- M.Tech (ECE) Coordinator in **Shaheed Bhagat Singh State Technical Campus, Ferozepur (From 13th Feb,2014 to 03.06.2015)**
- M.Tech (CSE) Coordinator in **Shaheed Bhagat Singh State Technical Campus, Ferozepur (From 25.07.2016 to 18.09.2017)**
- Head of Department in ECE at **Shaheed Bhagat Singh State Technical Campus, Ferozepur (From 17 May, 2013 to 4 June, 2015)**
- Head of Department in CSE at **Shaheed Bhagat Singh State Technical Campus, Ferozepur (From 16.06.2016 to 08.09.2017)**
- BOS member –Dept. of ECE in SBSSTC-Ferozepur **(From 17.08.2015 to till date & Still Continuing)**
- Member- Academic council in SBSSTC-Ferozepur **(From 07.09.2015 to till date & Still Continuing)**
- **NBA Co-ordinator** of ECE Department 2013-2014 in **Shaheed Bhagat Singh State Technical Campus, Ferozepur**
- Member-NAAC of ECE Department 2014 in **Shaheed Bhagat Singh State Technical Campus, Ferozepur**

- Chairman of departmental selection committee to conduct interviews for guest faculty in **Shaheed Bhagat Singh State Technical Campus, Ferozepur**
- Member of Pro-rata recruitment Selection Committee of ECE in **Shaheed Bhagat Singh State Technical Campus, Ferozepur**
- Nodal Officer for E-waste management in **Shaheed Bhagat Singh State Technical Campus, Ferozepur (05.05.2014 to till date & Still Continuing)**
- Invigilator, Paper setter, PTU Exam evaluator and Head Examiner, M.tech Thesis evaluator, PhD evaluator, Supdt Exams several times.
- Maintenance Incharge **w.e.f 2.8.2004 to 2006** in SBSSTC-Ferozepur.
- Warden of Satluj Bhawan Boys hostel in GZSCET-Bathinda (**From 23.05.2002 to 01.08.2003**)
- Warden of Satluj Bhawan Boys hostel in SBSSTC-Ferozepur.
- B.O.S Member in MRSPTU-Bathinda (**From 01.10.2017 to 30.09.2019**)

TECHNICAL ASSOCIATIONS:

- **Committee member** of DQAC in **Shaheed Bhagat Singh State Technical Campus, Ferozepur (From 17.08.2015 to till date & Still Continuing)**
- **Associate member** of INSTITUTION OF ENGINEERS (CALCUTTA-AM088280-4)
- **Life member (LM-28540)** of INDIAN SOCIETY FOR TECHNICAL EDUCATION
- **Senior Member** of Institute of Research Engineers and Doctors (SNM10100057327) (**International**)
- **Lifetime membership** of International Society for Research and development (**International- F3140900174**)
- **Member** of International Association of Engineers (173511) (**International**)
- **Co-Coordinator** of International conference on Communication, Computing and Control System (**ICCCS-14**) at SBSSTC, Ferozepur (**8th-9th August 2014**)
- **Editorial Board Member** in International conference on Communication, Computing and Control System(**ICCCS-14**) (**8th-9th August 2014**)
- **Convener** of National conference on Communication, Computing and Control System(**NCCCS-15**) at SBSSTC, Ferozepur (**24th-25th August 2015**)
- **Editor** of National conference on Communication, Computing and Control System(**NCCCS-15**) at SBSSTC, Ferozepur (**24th-25th August 2015**)
- **Editorial Board Member** of National conference on Communication, Computing and Control System (**NCCCS-15**) at SBSSTC, Ferozepur (**24th-25th August 2015**)
- **Member of Publication and Press Committee** of National conference on Communication, Computing and Control System (**NCCCS-15**) at SBSSTC, Ferozepur (**24th-25th August 2015**)
- Chaired a session during International Conference on **“Frontiers in Materials Research and Applications”** at SBSSTC Ferozepur (**30 & 31 Oct, 2014**)
- **Reviewer** of “Encyclopedia of Electrical and Electronics Engineering”
- **Reviewer** of “Optoelectronics Advanced Material - Rapid Communication” (**SCI Indexed**)
- **Reviewer** of “Chinese Optics Letter(COL)” (**SCI Indexed**)
- **Reviewer** of “Fiber and Integrated Optics” (**SCI Indexed**)
- **Reviewer** of “Journal of Nanoelectronics and Optoelectronics (JNO)” (**SCI Indexed**)
- **Editorial Board Member** of “International Journal of Core Research in Communication Engineering (IJCRCE)”, “Journal of Telecommunication, Switching Systems and Networks (JTSSN)”, “Recent Trends in Electronics & Communication Systems (RTECS)”, “Journal of Electronic Design Technology”
- **Technical Program Committee Member and Reviewer** for **IEEE International Symposium on Advanced Computing and Communication 2015(ISACC–2015)** (EASYCHAIR Conference) on 14-15th September 2015 at Silchar, Assam, India
- **Program committee member and Reviewer** of **ICCCA 2015** (International Conference on Computation, Communication and Automation)
- **Program committee member and Reviewer** of **ICCCA 2016** (International Conference on Computation, Communication and Automation)

- **Convener** of National conference on Communication, Computing and Control System (NCCCES-16) on 21-22nd November 2016 at SBSSTC, Ferozpur
- **Convener** of National conference on Communication, Computing and Control System (NCCCES-17) on 13th December 2017 at SBSSTC, Ferozpur

RESEARCH PUBLICATIONS: (Annexure A attached)

International Journals: 52 International Conferences: 7 National Conferences: 13

TEACHING AND GUIDANCE

Courses taught at graduate Level:

Analog Devices & Circuits, Linear Control Systems, Signals & Systems, Electronic Measurement & Instrumentation, Linear Integrated Circuits, Wireless Communication System, Optical Communication, Digital Communication System, Analog Communication Systems

Courses taught at Postgraduate Level:

Advanced Communication Systems, Optical Communication Systems, Multimedia Communication, Information Theory and Coding

M. Tech Thesis Guidance:

19 (Completed)

M. Tech. Thesis (Completed)

1. Performance evaluation of DWDM system using semiconductor optical amplifier.
2. Performance evaluation of Optical Communication system using Duobinary Modulation Format.
3. Performance evaluation of Optical Communication system using FBG.
4. Performance evaluation of Giga Bit Passive Optical Network.
5. Performance evaluation of Optical Communication system using Quadrature Amplitude Modulation.
6. Performance analysis of Hybrid Passive Optical Network.
7. Investigation of Passive Optical Network.
8. Performance Comparison of Star, Tree & Mesh Optical Network Topologies using Raman-EDFA Hybrid Optical Amplifier.
9. Performance evaluation of DWDM system using Hybrid Optical Amplifiers.
10. Investigation of Optical Time Division Multiplexing system.
11. Performance analysis of Optical Cross Connect based on FBG and OC.
12. Analysis of DWDM system using DPSK Modulation Technique with RAMAN-EDFA Hybrid Optical Amplifier.
13. Co-transmission analysis of Optical Communication System using Free Space Optics, Optical Wireless Communication and Single Mode Fiber.
14. Performance Analysis of Photonic system using optical couplers.
15. Analysis of hybrid network topology with optical add drop multiplexer.
16. Investigation of OFDM-ROF Gigabit passive optical network..
17. Performance analysis of surface Plasmon resonance sensor based on different nano particles in fiber.
18. Analysis of optical decoder switch using photonic crystal ring resonators.
19. Structuring of surface Plasmon polariton bragg gratings in photonic integrated circuits.

PhD. Guidance:

01(Ongoing) on

Performance Enhancement of Reconfigurable Optical Add Drop Multiplexers in Optical Communication Systems and Networks.

SHORT TERM COURSES/FACULTY DEVELOPMENT PROGRAMME

STC/FDP Attended

- Two weeks Faculty Development programme on “Research Techniques” at SBSSTC, Ferozepur
- Two days RTET 2015 workshop cum conference organized by SPIE and OSA chapter, at DIT University, Dehradun.
- One week TEQIP-II Sponsored Faculty Development programme on “Material Technology and Characterization techniques” at SBSSTC, Ferozepur.
- One week TEQIP-II Sponsored Faculty Development programme on “Futuristic Materials” at SBSSTC Ferozepur
- One week TEQIP sponsored course on “Soft Skills for Technical Teachers”, at SBSSTC, Ferozepur
- One week TEQIP-II Sponsored Faculty Development programme on “Recent trends in optical & wireless communication system design” at SBSSTC, Ferozepur
- One week TEQIP-II Sponsored Faculty Development programme on “Digital image, video & medical image processing” at SBSSTC, Ferozepur
- One week TEQIP-II Sponsored Faculty Development programme course on “Photonics” at SBSSTC, Ferozepur
- Three day NBA –workshop held at TIET, Patiala
- Two Weeks STC on “Optical Fibers: Communication and sensing applications” at NITTTR, Chandigarh
- One day Workshop on “Application of Chemical engineering in Alternative Sources of Energy” at SBSSTC, Ferozepur
- 2nd national conference on “Frontiers in Materials Research & Applications FMRA-2015” held at SBSSTC, Ferozepur
- Two weeks Faculty Development programme on “Intelligent Computational Techniques” at SBSSTC, Ferozepur
- One day workshop on “Role of communication, Motivation & Team Building in enhancing the performance of Teachers” at SBSSTC, Ferozepur
- Two weeks Staff development programme on “Disaster prevention and Mitigation” at Thapar university, Patiala
- One day workshop on “Simulation Tools for Electronic Systems Design” at Dr. B.R. Ambedkar Regional Engineering College
- One week STC on “Image Processing with Prospective Application in Medicare” at NITTTR, Chandigarh
- One week STC on “Matlab” at SBSSTC, Ferozepur
- One week STC on “Advanced Autocad” at SBSSTC, Ferozepur
- One week STC on “Wireless LANs” at NITTTR, Chandigarh
- Two weeks AICTE/ISTE sponsored STC on “Optical Communications-Emerging Trends its role and Technology Appreciation” at Punjab Engineering College, Chandigarh
- One week AICTE/ISTE sponsored STC on “Inculcating & Developing Entrepreneurial

- Attitude(Need of 21st century) at SBSSTC,Ferozepur
- One week STC on “TCP/IP based Computer Networking and Management” at GZSCET, Bathinda
 - Two days course on “Computer Simulation for Electronic Circuits Systems Design” at Dr. B.R. Ambedkar Regional Engineering College
 - One week STC on “Autocad” at SBSSTC,Ferozepur
 - One week STC on “Optimization using MATLAB” through ICT/ AICTE & NITTTR,Chandigarh at SBSSTC-Ferozepur
 - One week STC on “Energy, Environment and Sustainable Development “through ICT/ AICTE & NITTTR,Chandigarh at SBSSTC-Ferozepur
 - One week STC on “Alternate Fuels” through AICTE Training And Learning (ATAL) Academy at SBSSTC-Ferozepur

STC/FDP/CONFERENCES ORGANISED

- Organized One week AICTE-TEQIP sponsored Faculty development Program (FDP) organized in SBSSTC, Ferozepur from 9 to 13th Sept, 2013 on “**Recent Trends in Optical and Wireless communication system design**”.
***Appreciation letter** received from Director for organizing “Recent Trends in Optical and Wireless Communication System Design”
- Organized one week Faculty Development Program organized in SBSSTC, Ferozepur from 23 to 27 Aug, 2013on “**Digital image, video & medical image processing**”
***Appreciation letter** received from Director for organizing “Digital Image, Video and Medical Image Processing”
- Organized one week Faculty Development Program organized in SBSSTC, Ferozepur from from 21 to 25 Oct, 2013 on “**Photonics**”
***Appreciation letter** received from Director for organizing “Photonics”
- International conference on Communication, Computing and Control System(ICCCS-14) on 8th -9th August 2014 at SBSSTC, Ferozepur (as Co-coordinator)
***Appreciation letter** received from Director for organizing International conference on Communication, Computing and Control System (ICCCS-14) on 8th -9th August 2014 at SBSSTC, Ferozepur (as Co-coordinator)
- National conference on Communication, Computing and Control System(NCCCS-15) on 24th -25th August 2015 at SBSSTC, Ferozepur (as Convener and Editorial Board member)
***Appreciation letter** received from Director for organizing National conference on Communication, Computing and Control System (NCCCS-15) on 24th -25th August 2015 at SBSSTC, Ferozepur (as Convener)
- National conference on Computing ,Communication and Electrical System (NCCCES-16) on 21-22nd November 2016 at SBSSTC, Ferozepur (as Convener and Editorial Board member)
***Appreciation letter** received from Director for organizing National conference on Communication, Computing and Control System (NCCCES-16) on 21-22nd November 2016 at SBSSTC, Ferozepur (as Convener)
- National conference on Communication, Computing and Control System(NCCCES-17) on 13th December 2017 at SBSSTC, Ferozepur (as Convener and Editorial Board member)
***Appreciation letter** received from Director for organizing National conference on Communication, Computing and Control System (NCCCES-17) on 13th December 2017 at SBSSTC, Ferozepur (as Convener)

SEMINARS/ TALKS DELIVERED/ATTENDED

1. Organised an Expert lecture delivered by Dr. P.K Bansal
2. Delivered Expert talk on “Optical Communication Systems” on 20th Jan, 2016 at Chandigarh University, Gharuan
3. Delivered Guest lectures on “Digital Signal Processing” at Guru Teg Bahadar Khalsa Institute of Engineering & Technology, Malout
4. Attended Expert talk on “How to write Good Research Paper?” at Thapar University, Patiala

ACHIEVEMENTS OR RECOGNITION

- Awarded with BEST CITIZENS OF INDIA AWARD by International publishing House, New Delhi
- Awarded with Rashtriya Gaurav Award by India International Friendship Society, New Delhi
- Selected the Biography in Marquis who’s who in the world 2016 (33rd edition) for outstanding achievement award
- Best Paper Award entitled “Comparison of conventional optical amplifiers at different transmission distance in an optical communication system” at ACET Amritsar.

BOOKS/BOOK CHAPTERS PUBLISHED

- Aruna Rani and Sanjeev Dewra , “Investigation of Semiconductor Optical Amplifier for DWDM System with 50 GHz Channel Spacing/Proceeding of the international conference on Recent Cognizance in wireless communication & image processing ICRCWIP-2014”, Springer Publisher, 2016.
- Sanjeev Dewra, Analog Devices & Circuits, Lotus Publisher-Jalandhar, 2019.

PERSONAL INFORMATION

Name	: Dr. Sanjeev Dewra
Father’s Name	: Shri. Roshan Lal Dewra
Date of Birth	: 22 October, 1971
Nationality	: Indian
Permanent address	: #39-Vikas Vihar Phase-II, FERROZEPUR, Punjab, India.

1. **Sanjeev Dewra**, R.S. Kaler, “Crosstalk analysis in an optical network based on optical cross connects with different MZI techniques” pp. 55–59, **Elsevier-Optik**, 124, 2013, doi:10.1016/j.ijleo.2011.11.042, Impact Factor:0.730, SNIP: 0.925, SJR: 0.31, ISSN: 0030-4026.
2. **Sanjeev Dewra**, R.S. Kaler, “Performance analysis of optical network based on optical add drop multiplexers with different MZI techniques” pp. 347– 351, **Elsevier -Optik**, 124, 2013, doi:10.1016/j.ijleo.2011.12.060, Impact Factor:0.730, SNIP: 0.925, SJR: 0.31, , ISSN: 0030-4026.
3. Sumanpreet, **Sanjeev Dewra**, “A review on Gigabit Passive Optical Network (GPON)”, **International Journal of Advanced Research in Computer and Communication Engineering**, ISSN: 2319-5940, Vol. 3, Issue 3, March 2014, impact factor: 1.770.
4. Garima Arora, **Sanjeev Dewra**, “A review on optical Amplifier and its Hybrid configurations” **International Journal of Electronics & Communication Engineering Research (IJECER)**, ISSN: 2321-9718, Vol. 1 Issue 6, November- 2013.
5. Garima Arora, **Sanjeev Dewra**, “DWDM Transmission using Hybrid Optical Amplifiers” **International Journal of Advanced Research in Computer and Communication Engineering**, ISSN: 2319-5940, Vol. 3, Issue 4, April 2014, impact factor: 1.770, ISSN: 2278-1021.
6. **Sanjeev Dewra**, R. S. Kaler, “Performance evaluation of an optical network based on optical cross add drop Multiplexer” Vol.80 No.8, **OSA- Journal of Optical Technology**,pp: 526-531, August 2013, <http://dx.doi.org/10.1364/JOT.80.000526>, Impact Factor: 0.34, SJR: 0.24, ISSN: 1070-9762.
7. **Sanjeev Dewra**, R. S. Kaler “Performance evaluation of optical add drop multiplexers with Mach–Zehnder interferometer techniques for dense wavelength division multiplexed system” Vol. 80 No. 9, **OSA-Journal of Optical Technology**, September 2013, <http://dx.doi.org/10.1364/JOT.80.000502>, Impact Factor: 0.34, SJR: 0.24,ISSN: 1070-9762.
8. Aruna Rani, **Sanjeev Dewra**, “Semiconductor optical amplifiers in optical Communication system-Review” **International Journal of Engineering Research & Technology (IJERT)**, PP. 2710-2719, ISSN: 2278-0181, Vol. 2 Issue 10, October – 2013, Impact Factor: 1.76.
9. Aruna Rani, **Sanjeev Dewra**, “Performance evaluation of DWDM system using Semiconductor optical amplifier in the presence of fiber non-linearities” **International**

Journal of Enhanced Research in Science Technology & Engineering, ISSN: 2319-7463, Vol. 3 Issue 2, February-2014, pp: 301-305, Impact Factor: 1.252.

10. Rupinder Kaur, **Sanjeev Dewra**, “Duobinary Modulation Format for Optical System- A Review” **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering**, vol. 3, Issue 8, August 2014, impact factor: 1.686, ISSN: 2278-8875, DOI: 10.15662/ijareeie.
11. **Sanjeev Dewra**, R.S. Kaler, “Placement of dynamic reconfigurable optical add/drop multiplexer using dynamic channel equalizer in an optical communication system” **Optoelectronics And Advanced Materials – Rapid Communications**, Vol. 9, no. 1-2, pp. 53 – 56, January – February 2015, ISSN:1842-6573.
12. Sumanpreet, **Sanjeev Dewra**, “Performance Analysis of Gigabit Passive Optical Network Using 2Gbit/Sec Downstream Transmission”, **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering**, Vol. 4, Issue 2, pp. 743-748, February 2015.
13. **Sanjeev Dewra**, Vikas Plaha and Amit Grover, “Fabrication and Applications of Fiber Bragg Grating- A Review”, **Advanced Engineering Technology and Application-An International Journal**, Vol. 4, No. 2, pp. 1-11, May 2015. ISSN 2090-9535 (Print), ISSN 2090-9543 (Online)
14. Ravneet Kaur, **Sanjeev Dewra**, “A Review on Passive Optical Network” **International Journal of Innovative Research in Computer and Communication Engineering**, Vol. 3, no. 4, pp. 2774-2779, ISSN: 2319 – 4847, April 2015.
15. Rupinder Kaur, **Sanjeev Dewra**, “Evaluation of Wavelength Division Multiplexing using Different modulation formats”, **International journal of advanced research in computer and communication engineering**, Vol. 4, no. 6, pp. 498-500, April 2015, ISBN No. 978-93-84869-71-7.
16. Rajpreet Singh, **Sanjeev Dewra**, “Analysis of Star, Tree and Mesh Optical Network Topologies for successive distance between nodes Using Optimized Raman-EDFA Hybrid Optical Amplifier”, **International Journal of Engineering And Computer Science**, Vol. 4, Issue 8, pp. 14022-14026, Aug 2015, ISSN: 2319-7242.
17. Ramandeep Sharma, **Sanjeev Dewra** and Aruna Rani, “Performance Analysis of Hybrid PON (WDM-TDM) with Equal and Unequal Channel Spacing”, **Journal of Optical Communications, Degruyter** ,October 14, 2015 ,DOI 10.1515/joc-2015-0055, SJR: 0.177, SNIP: 0.245, Impact per Publication(IPP) 0.200, ISSN: 2191-6322
18. Amrinder Kaur, **Sanjeev Dewra**, “Comparative Analysis of Different Modulation Techniques in Coherent Optical Communication System”, **International Journal of Innovative Research in Computer and Communication Engineering**, Vol. 3, Issue8, pp: 7193-7200, August 2015, ISSN(Online): 2320-9801,ISSN (Print): 2320-9798,

DOI:10.15680/IJIRCCE.2015.0308009.

19. Ravneet Kaur, **Sanjeev Dewra**, "Investigation of Bidirectional Passive Optical Network with 128 optical network units", **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering**, Vol.4, Issue8,pp:7028-7032., 08/2015,DOI: 10.15662/ijareeie.2015.0408030.
20. Ramandeep Sharma, **Sanjeev Dewra**, "Performance Analysis of Hybrid WDM-TDM Passive Optical Network with different bit rates", **International Journal of Advanced Research in Computer Science and Software engineering**, Vol.5, Issue 8, pp:72-76, August 2015, ISSN: 2277 128X.
21. **Sanjeev Dewra**, R.S.Kaler, "Protection and evaluation of Bus and Ring Topologies using Hybrid RAMAN-EDFA amplifier", **Optoelectronics and advanced material-Rapid communications**, Vol. 9, no. 11-12, pp:1561-1564, ISSN:1842-6573.
22. Amrinder Kaur, **Sanjeev Dewra**, "Performance analysis of coherent optical communication system for M-QAM higher modulation level", **Journal of Optical Communications, Degruyter**, November 2015,doi 10.1515/joc.2015.0095, SJR: 0.177, SNIP: 0.245, Impact per Publication(IPP) 0.200, **ISSN: 2191-6322**.
23. Heena Goyal , Jyoti Saxena , **Sanjeev Dewra**, "Performance Analysis of Optical Communication System using Different Channels", **International Journal of Advanced Research in Computer and Communication Engineering** , Vol. 4, Issue 9, pp:19-22 ,September 2015 , DOI 10.17148/IJARCCE.2015.4905, ISSN (Online) 2278-1021 ISSN (Print) 2319- 5940.
24. Ravneet Kaur, **Sanjeev Dewra**, " Performance Evaluation of Passive Optical Network Using Different Modulation Formats ", **Journal of Optical Communications, Degruyter**, ISSN (Online) 2191-6322, ISSN (Print) 0173-4911, DOI: 10.1515/joc-2015-0096, January 2016
25. Heena Goyal, Jyoti Saxena , **Sanjeev Dewra**, "Performance Evaluation of OWC Using Different Modulation Techniques" , **Journal of Optical Communications, Degruyter**, ISSN (Online) 2191-6322, ISSN (Print) 0173-4911, DOI: 10.1515/joc-2015-0103, February 2016.
26. Anju Bala, **Sanjeev Dewra**, "Efficient Routing of Star–Ring Hybrid Topology with Optical Add and Drop Multiplexer in DWDM System", **Journal of Optical Communications, Degruyter**, ISSN (Online) 2191-6322, ISSN (Print) 0173-4911, DOI: 10.1515/joc-2016-0004, February 2016.
27. Pawandeep Kaur, **Sanjeev Dewra**, "Symmetric Mach-Zehnder Demultiplexing technique for Optical Time Division Multiplexing: Comparison of EAM, MZM and AM", **Journal of Optical Communications, Degruyter**
28. **Sanjeev Dewra**, Rajinder Singh Kaler, "Performance analysis of optical network topologies in the presence of hybrid optical amplifier", **Optoelectronics And Advanced Materials – Rapid Communications**, Vol. 11, No. 1-2, January-February 2017.pp 54-58

29. **Sanjeev Dewra** , Rajinder Singh Kaler, "Performance analysis of DWDM system with dynamic ROADM based on PLC and WSS", **Optoelectronics And Advanced Materials–Rapid Communications**, Vol. 10, No. 11-12, pp. 836 - 839, Nov.-Dec. 2016
30. Manpreet Singh, **Sanjeev Dewra**, Rajinder S. Kaler, "Optimization and efficient routing scenario of system using C-band: Reconfigurable multiwavelength optical cross connect based on tunable fiber Bragg grating and optical circulator", **SPIE-Optical Engineering**, 55(7), 076103-5 DOI: 10.1117/1.OE.55.7.076103, (2016).
31. **Sanjeev Dewra**, Rajinder Singh Kaler, "Investigation of 2×2 optical cross connect with different Mach-Zehnder Interferometer techniques for optical networks", **Optoelectronics and advanced material-Rapid communications**, Vol. 12, no. 5-6, May-June 2018, ISSN:1842-6573.
32. Pawandeep Kaur, **Sanjeev Dewra**, "Effect of different transmission medium on the performance of 4x20 Gbps OTDM system operating in C-band", **Optoelectronics and advanced material-Rapid communications**, Vol. 12, no. 9-10, September-October 2018, ISSN:1842-6573.
33. Aruna Rani, Manjit Singh Bhamrah, **Sanjeev Dewra**, "Routing strategies of reconfigurable optical add drop multiplexer using different designing techniques", **Optoelectronics and advanced material-Rapid communications**, Vol. 13, No. 11-12, November-December 2019, p.592-597, ISSN:1842-6573.
34. **Sanjeev Dewra**, R.S.Kaler, Bidirectional Fiber Bragg grating-circulator based optical add-drop multiplexer in DWDM transmission system with reduced channel spacing at 40 Gb/s, **Optoelectronics and advanced material-Rapid communications**, Vol. 14, No. 1-2, January-February, 2020.
35. Sumita Rani, **Sanjeev Dewra**, "A 3 dB Optical Directional Coupler Based on Surface Plasmon Polaritons" **Advanced Science, Engineering and Medicine**, Volume 9, Number 4, April 2017, pp. 294-297(4). ISSN: 2164-6627.
36. Anjali Koundal, **Sanjeev Dewra**, "Performance Analysis of 4 X 10 Gbps OFDM-PON System over ROF Link", **Journal of optical communication. De-Gruyter**, June 2017.
37. Sumita Rani, **Sanjeev Dewra**, Aruna Rani, Rajneesh Randhawa, "Investigation of Optical Coupler- A Review", **International Journal of Computer Science and Network**", pp. 82-86, Nov 2016.
38. Anjali Koundal, **Sanjeev Dewra**, Aruna Rani, " A Review on ROF OFDM GPON System", **International Journal of Computer Science and Network**, "pp. 87-90, Nov 2016
39. Lovepreet Kaur, **Sanjeev Dewra**, Aruna Rani, "Analysis Of Optical Decoder switch using Photonic Crystal Ring Resonators", **International Journal of Computer Science and Network**", pp. 91-94, Nov 2016
40. Ranjit Singh, **Sanjeev Dewra**, Aruna Rani, " Review on Performance of Optical Sensor based on different Nano particles in fiber", **International Journal of Computer Science and Network**", pp. 102-107, Nov 2016

41. Manjinder Kaur, **Sanjeev Dewra**, Aruna Rani, "Surface Plasmon Polariton Based MIM Bragg Gratings", **International Journal of Computer Science and Network**", pp. 112-115, Nov 2016
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