

List of journal publications in chronological order

(Prof. Jagneet Kaur Anand)

S. No.	Title of the Paper	Journal Name	Year	Vol . No.	Page No.	Authors
1.	Role of an isolator in optimization of forward conversion efficiency in an Er-doped SFS source at 1.55 μm	Optical Fiber Technology	28-04-1999	5	390	Jagneet Kaur, Suparna Sinha Roy, K. Thyagarajan, and B. P. Pal
2.	Estimation of cut-off wavelength of rare earth doped single-mode fibers	Optics Communications	01-11-1999	170	355	Jagneet Kaur, K. Thyagarajan, and B. P. Pal
3.	A novel design of an intrinsically gain flattened erbium doped fiber	Optics Communications	15-09-2000	183	407	K. Thyagarajan and Jagneet Kaur
4.	A study on the performance of L-band EDFAs under different pumping configurations	Optics Communications	01-7-2001	194	131	Jagneet Kaur and K. Thyagarajan
5.	Intrinsically gain-flattened staircase profile erbium doped fiber amplifier	Optics Communications	22-5-2003	222	227	K. Thyagarajan and Jagneet Kaur Anand
6.	Study of the amplification characteristics of a coaxial EDF with varying coupling conditions	Optics and Laser Technology	10-10-2011 (online)	44	688	Jyoti Anand, Jagneet Kaur Anand, and Enakshi K. Sharma
7.	Inherent gain flattening due to two mode interference in erbium doped coaxial fibers	Optical Fiber Technology	15-4-2013	19	298	Jyoti Anand, Jagneet Kaur Anand, and Enakshi K. Sharma
8.	Coupled mode analysis for simplified gain calculations in erbium-doped coaxial fibers	Journal of the Optical Society of America-B (JOSA-B)	09-5-2013	30	1496	Jyoti Anand, Jagneet Kaur Anand, and Enakshi K. Sharma
9.	Behaviour of Poynting vector for dielectric-metal-dielectric waveguides and applications	Optical and Quantum Electronics	10-9-2020	52	1-19	Jagneet Kaur Anand and Himanshu Kushwah
10.	Performance Optimization of bi-metallic surface plasmon resonance based sensors with silicon layer using Poynting vector analysis	Optical and Quantum Electronics	21-10-2021	53	1-32	Himanshu Kushwah and Jagneet Kaur Anand
11.	Effect of Calcium Addition on Microstructure and Electrical Properties of Lead Zirconate Titanate Ceramic Compositions near MPB	Journal of ceramic processing research	30-10-2021	23	99-108	Anupama Sachdeva, Aarushi, Jagneet Kaur Anand, and R. P. Tondon
12.	Enhancement of Optical coupling efficiency of surface plasmon resonance based sensors	IEEE Access DOI: 10.1109/ACCESS.2021.3137820	23-12-2021	10	879-892	Himanshu Kushwah, Jagneet Kaur Anand, and Anupama Sachdeva
13.	X-ray diffraction and raman spectroscopy studies on calcium modified PZT (Pb(1-x)CaxZr0.52Ti0.48O3) ceramics prepared via solid state reaction method and sol-gel technique- a comparative study	Journal of ceramic processing research	23-7-2022	23	817-822	Anupama Sachdeva, Aarushi, Jagneet Kaur Anand, and R. P. Tondon
14.	Enhanced detection accuracy and signal-to-noise ratio of surface plasmon resonance based refractive index sensor with the addition of thicker layer of Silicon	Optical Materials	17-5-2023	140	1-13	Himanshu Kushwah, Jagneet Kaur Anand

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