


## Mr. Ashish Singh Bais

<b>1. Personal Information</b>			
(i)	Name	Mr. Ashish Singh Bais	<b>Photo</b> 
(ii)	Qualification	M.Sc. Applied Physics	
(iii)	Designation	Assistant Professor	
(iv)	Email-id	<a href="mailto:ashishsinghphysics@gmail.com">ashishsinghphysics@gmail.com</a>	
(v)	Employee No.	-	
(vi)	Department	Applied Physics & Optoelectronics	
(vii)	Experience	5+ Years	

<b>2. Educational Qualification</b>				
S.No.	Degree	Specialization	Year	University/Board
1	PhD Pursuing	MOEMS Technology		DAVV
2	Master of Science (Physics)	Applied Physics	2014	SGSITS, Indore (M.P.)
3	Bachelor of Science (PEM)	Physics	2012	Davv. Holkar Science College, Indore (M.P.)
4	Higher Secondary (12 <sup>th</sup> )	PCM	2009	Garima Vidya Mandir, Indore
5	High School (10 <sup>th</sup> )	-	2007	Garima Vidya Vihar, Indore

### **3. Research Interests**

MOEMS technology, Photolithography and Optical Coherence Tomography

### **4. Research Paper Publications**

**(I) International/National Journal Publications: Nil**

## (II) International/National Conference Publications

- Joesph T. Andrews, Om P. Choudhary, Lokendra S. Chouhan, **Ashish S. Bais**, Fabrication of MOEMS Optical Coherence Tomography, *National conference on Emerging Interfaces of Physical Sciences and Technology, Vikram University, Ujjain 2019.*
- Joesph T. Andrews, Om P. Choudhary, Lokendra S. Chouhan, **Ashish S. Bais**, Comparative Analysis Design and Fabrication of 2x2 Optical Coupler for Optical Coherence Tomography, *National conference on Emerging Interfaces of Physical Sciences and Technology, Vikram University, Ujjain 2019.*
- S. Indra, G. Vani, S. Jain, P. Gupta, **A. S. Bais** and J. T. Andrews, Design and Study of low cost polymer Optical Waveguide Fabrication Setup, *National Laser Symposium 28, Vellore Institute of Technology, Chennai 2020.*
- **Ashish Singh Bais** and J. T. Andrews, Design and Simulation of MOEMS Mach-Zehnder Interferometer, *National Laser Symposium 29, S.V.V.V. Indore 2021.*
- **Ashish Singh Bais** and J. T. Andrews, Fabrication and Characterization of Mach-Zehnder Interferometer on single chip, *Springer International Conference on Trends in Modern Physics, Don Bosco University, Assam 2021.*
- **Ashish Singh Bais**, Lokendra Chauhan and J. T. Andrews, Integrated Optical Michelson Interferometer on a Chip, *National Laser Symposium 30, B.A.R.C. Mumbai 2022.*
- **Ashish Singh Bais**, Lokendra Singh Chouhan and Joseph Thomas Andrews, All Optical Integrated MOEMS Optical Coherence Tomography System, *International Conference on Current Trends in Physics and Photonics, MIT-WPU Pune 2022.*
- Lokendra Singh Chouhan, **Ashish Singh Bais** and Joseph Thomas Andrews, A Novel Chirped Bragg Grating Based Spectral Domain Delay Generator, *International Conference on Current Trends in Physics and Photonics, MIT-WPU Pune 2022.*
- Punam Bhushan, **Ashish Singh Bais**, Princy Trivedi, Dakshata Mandloi and J T Andrews, Study of Channel Waveguide using FEM and Triangular Meshing, *One day national level e-conference on cutting edge technologies in electrical, communication and soft computing techniques, Saranathan college of engineering, New Delhi 2022.*
- Princy Trivedi, **Ashish Singh Bais**, Dakshata Mandloi, Punam Bhushan, J T Andrews, Simulation of Optical Directional Coupler, *One day national level e-conference on cutting edge technologies in electrical, communication and soft computing techniques, Saranathan college of engineering, New Delhi 2022.*
- Dakshata Mandloi, **Ashish Singh Bais**, Punam Bhushan, Princy Trivedi, J T Andrews, Design and Development of Virtual Function Generator using LABVIEW, *One day national level e-conference on cutting edge technologies in electrical, communication and soft computing techniques, Saranathan college of engineering, New Delhi 2022.*
- **Ashish Singh Bais** and J. T. Andrews, Simulation and Fabrication of different polymer based waveguides using Photolithography, *Student Research Symposium, IIT Indore 2022.*

### Other Details:

- Professional Member of Indian Association of Physics Teachers (IAPT)
- Participated in “Prof. Babul Saraf memorial one week all India laboratory workshop on experimental physics for P.G. teachers and P.G. students- **2019**” IPS Academy, Indore.
- Participated in 7 days “Faculty Development Program for Student Induction (FDP-SI) **2018**” at I.P.S. Academy, Indore organized by AICTE.
- Participated in 3 days “Faculty Development Program for Student Induction (FDP-SI) **2018**” at Shri G.S. Institute of Technology and Science, Indore organized by AICTE.
- Six days TEQIP Workshop on Magnetic MEMS Based Devices, IIT Hyderabad