

**Name: Prof. Camelia Das**

**Designation: Assistant Professor**

**Branch: Physics**

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**Educational Qualification(s):**

Qualification(s)	University
M.Sc in Physics	IIT Guwahati
Ph.D (Thesis submitted)	IIT Guwahati

**Experience in years:**

Academic:

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1	IIT Guwahati	Teaching assistant (Physics Lab)	January 2014	May 2014
2	IIT Guwahati	XRD Operator	July 2014	December 2015
3	IIT Guwahati	Teaching assistant (Advance Physics Lab)	January 2016	May 2016
4.	IIT Guwahati	Teaching assistant (Electronics Lab for M.Sc)	July 2016	November 2016
5.	IIT Guwahati	Teaching assistant (Analog Electronics Lab for B.Tech)	January 2017	May 2017
6.	IIT Guwahati	Teaching assistant (Electronics Lab for M.Sc)	July 2017	November 2017

**Other Information:**

a) Publication details: **In Journals**

Sl.	Published / Under Review and Preparation
[1].	Magnetic properties of single-layer and multilayer structured $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$ thin films <b>Camelia Das</b> , S. Mohapatra, G. A. Vitthaland Perumal Alagarsamy, *Thin Solid Films 616 (2016) 126.
[2].	Tuning the magnetic properties of stripe domain structured CoFeB films using stack structure with spacer layer thickness dependent interlayer coupling, <b>Camelia Das</b> and Perumal Alagarsamy, *Journal of Magnetism and Magnetic Materials 448 (2018) 23.
[3].	Thickness dependent surface topography, magnetic properties and magnetic domain structure of amorphous FeTaC thin films <b>Camelia Das</b> , J. Das, T. Vijayabhaskaran, S. Bedanta, A. Talapatra, J. R. Mohanty, Perumal Alagarsamy *Journal of Materials Science and Engineering 7 (2018) 455.
[4].	Temperature dependent magnetization reversal and enhanced magnetic properties in FeTaC/SiO <sub>2</sub> multilayer thin films, <b>Camelia Das</b> , Jumal Das, T. Vijayabhaskaran, S. Bedanta, Perumal Alagarsamy, *Physical Review B (under submission).
[5].	Magnetic properties and Magnetic domain structures in single-layer amorphous Fe-Co-Zr-B-Cu thin films <b>Camelia Das</b> and Perumal Alagarsamy Manuscript under preparation.
[6].	Soft magnetic properties in multilayer amorphous Fe-Co-Zr-B-Cu / SiO <sub>2</sub> thin films <b>Camelia Das</b> and Perumal Alagarsamy Manuscript under preparation.

\*Publications from thesis work

(b) Details of Seminar/Workshop/Conference.

[1].	Magnetic properties and magnetic domain structures in amorphous FeTaC thin film <b>Camelia Das</b> , Jumal Das and Perumal Alagarsamy Presented in Research Conclave 2018, An Amalgamation of Academia, Industry and Start-ups, 8 – 10 March, 2018, IIT Guwahati, Guwahati, India and <b>Received Best poster award.</b>
[2].	Thickness dependent study of FeTaC single layer film and understanding the role of SiO <sub>2</sub> spacer layer on FeTaC multilayer thin film through interlayer magnetic

	coupling, <b>Camelia Das</b> , Jumal Das and Perumal Alagarsamy, Presented in Condensed Matter Days (CMDAYS-2017), 29 <sup>th</sup> – 31 <sup>st</sup> August, Tezpur University, India.
[3].	Understanding of spacer layer thickness dependent interlayer coupling in FeTaC based multilayer thin films using vibrating sample magnetometer <b>Camelia Das</b> , Jumal Das and Perumal Alagarsamy, Presented in The International Conference on Sophisticated Instruments in Modern Research (ICSIMR-2017), 30 <sup>th</sup> June – 1 <sup>st</sup> July, 2017, IIT Guwahati, India.
[4].	Tuning the magnetic properties of stripe domain structured CoFeB films through interlayer magnetic exchange coupling <b>Camelia Das</b> , Jumal Das and Perumal Alagarsamy Presented in Research Conclave 2017, An Amalgamation of Academia, Industry and Start-ups, 16 – 19 March, 2017, IIT Guwahati, Guwahati, India.
[5].	Tuning the magnetic properties of stripe domain structured CoFeB films using stack structure with spacer layer thickness dependent interlayer coupling, <b>Camelia Das</b> and Perumal Alagarsamy, Presented in The International Conference on Magnetic Materials and Applications (ICMAGMA-2017), 1 <sup>st</sup> -3 <sup>rd</sup> February, 2017, Hyderabad, India.
[6].	Magnetic properties of single-layer and multilayer structured CoFeB thin films <b>Camelia Das</b> , Sambit Mohapatra, G.A. Vitthaland Perumal Alagarsamy, Presented in The International Conference on Magnetic Materials and Applications (ICMAGMA-2015), 2 <sup>nd</sup> – 4 <sup>th</sup> December, 2015, VIT University, Vellore, India and <b>Received Best poster Award.</b>