Dr. Malay Dalui
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Date of Joining : 30.06.2020

Experience Teaching : **Research:** 4.5 years (After Ph.D)

Field of specialization : Atomic, Molecular and Optical Physics (Experimental)
Research Interest : Ultrafast photo-induced reaction dynamics in large quantum system, High intensity laser-plasma based particle acceleration, ATTOphysics

Number of research papers/article published **:**

Published	Journals	Seminars/ Workshops/ etc.,	Impact / H-index
International	**13**	**01**	**H-index: 05 i10-index : 02**

Conferences/seminars/workshops papers presented **:** National: 03, International: 06

Significant Achievements:

1. Post-Doctoral Fellowship: Laboratoire d'Excellence Physique: Atomes, Lumiére, Matiére (Labex-PALM), Université-Paris-Saclay, France (1 year 6 Months)
2. Post-Doctoral Fellowship: Knut and Alice Wallenberg Foundation, Sweden, through PLIONA project (2 years 11 Months)
3. Best Poster Award in National Symposium on Nonlinear and Complex Phenomena, Jadavpur University, India (2014)
4. Junior Research Fellowship: CSIR, India (2010; declined)

Five Recent publications :

1. Proton acceleration by a pair of successive ultra-intense femtosecond laser pulses. *Physics of Plasmas*, 25, 043115, (2018) (Impact Factor 1.91)
2. Influence of micromachined targets on laser accelerated proton beam profiles. *Plasma Physics and Controlled Fusion*, 60, 035014 (2018) (Impact Factor 2.8)
3. Compact acceleration of energetic neutral atoms using high intensity laser-solid interaction. *Scientific Reports*, 7, 3871 (2017) (Impact Factor 3.99)
4. Novel target design for enhanced laser driven proton acceleration. *AIP Advances*, 7, 095018 (2017) (Impact Factor 1.58)
5. Manipulation of laser-accelerated proton beam profiles by nanostructured and microstructured targets. *Physical Review Accelerators and Beams*, 20, 081301 (2017) (Impact Factor 1.62)

Links : 1. https://orcid.org/0000-0003-1313-430X
2. Web of Science Researcher ID: V-1641-2019