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Date of Joining : 10.06.2020

Experience : **Teaching-** 1 month, **Research-** 5 years (After Ph.D)

Field of specialization : Experimental High Energy Nuclear and Particle Physics

Research Interest : Heavy-ion collision experiment, Quark-Gluon Plasma (QGP), QCD phase diagram, Correlation and Fluctuations study in heavy-ion collision experiment, Global properties of QGP, Monte Carlo simulations, testing, characterization and fabrication of silicon pixel detector.

Number of research papers/article published :

Published	Journals	Seminars/ Workshops/ etc.,	Impact / H-index
International	252	5	H-index : 56 i-index : 197

Conferences/seminars/workshops papers presented : National - 5 International- 7

Research consultancy / projects :

Significant Achievements:

1. Institute Postdoctoral Fellowship (IPDF) by IIT Madras (Aug 2019 - March 2020)
2. Postdoctoral Fellowship, Inha University, South Korea (May 2015 - May 2019)
3. Postdoctoral Fellowship, IIT Indore (Jan 2015- April 2015)
4. Research Assistantship (RA), IIT Bombay (July 2008 - Jan 2015).
5. CSIR-NET JRF and LS (2008).
6. GATE - 2008.
7. Merit Scholarship (2002)

Five Recent publications :

1. Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Phys. Lett. B 807, 135564 (2020). (I.F. 4.384)
2. Baseline study for net-proton number fluctuations at top energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider with the Angantyr model. Phys. Rev. C 101, 6, 064903 (2020). (I.F. 2.998)
3. Charged-particle multiplicity and transverse-energy distribution using the Weibull-Glauber approach in heavy-ion collisions. Phys. Rev. C 96, 5, 054906 (2017). (I.F. 2.998)

4. Energy and Centrality dependence of $dN_{ch}/d\eta$ and $dE_T/d\eta$ in Heavy-Ion Collisions from $\sqrt{s_{NN}} = 7.7$ GeV to 5.02 TeV. Eur. Phys. J. A 52, no. 10, 319 (2016). (I.F. 2.799)

5. Charged Particle and Photon Multiplicity, and Transverse Energy Production in High-Energy Heavy-Ion Collisions. Advances in High Energy Physics, Volume 2015, 612390. (I.F. 1.422)

Links : 1. <https://scholar.google.com/citations?hl=en&user=f8a7WoAAAAAJ>
(Google Research Scholar)
2. <https://orcid.org/0000-0002-1999-9876> (ORCID)