

## Faculty Profile

**Name: Dr. Arun Kumar Singh**



**Designation:** Assistant Professor, Faculty of Science and Technology, ICFAI University, Raipur

**Teaching Areas:** Physics, Astronomy and Astrophysics, Image processing

**Research Interests:** Physics, Astronomy and Astrophysics, Image processing

**Education:**

- PG Diploma Course in Computer Application, Indian Institute of Skill Development and Training, Indore, M.P. 2021.
- Ph. D. in Physics, Pt. Ravishankar Shukla University, Raipur, 2010.
- M. Sc. in Physics, Pt. Ravishankar Shukla University, Raipur, 2004.
- B. Sc. in PCM, Kalyan Mahavidyalaya, Affiliated to Pt. Ravishankar Shukla University, Raipur, 2002.

**Patents: 01 (Applied) and Funded Projects: 00**

**Research / Selected Publications :( SCIE: 05, Scopus: 2, UGC Approved - 2)**

- Variation in the intrinsic shapes of elliptical galaxies, Chakraborty, D.K., **Singh, A.K.**, and Gaffar, Firdous, 2007, Monthly Notices of Royal Astronomical Society (MNRAS), 383, 1477. (SCI, Scopus, H Index 340)
- Distribution of the intrinsic shapes of elliptical galaxies, Arun Kumar Singh and D. K. Chakraborty, 2009, American Institute of Physics Conference Proceeding (AIPC), 1150, 241. (SCI, Scopus)
- A Study of the intrinsic parameters of some mass models of elliptical galaxies, Arun Kumar Singh, 2011, Astronomical Society of India Conference Series (ASICS), 3, 91. (SCI, Scopus)
- Study on workflow management using IoT in industry 4.0, Nirmala Nitin and Arun Kumar Singh, 2023, American Institute of Physics Conference Proceeding (AIPC), Vol. 2842, 050005 (1-8). (SCI, Scopus)
- Intrinsic Shapes of Elliptical Galaxies NGC 4374 Using Modified Prior By Photometry, Arun Kumar Singh, 2019, International Journal of Emerging Technology And Advanced Engineering (IJETA), Vol. IX, Issue X, pp. 345349. (SCI, Scopus)
- Intrinsic Shapes Determination of the Flat Elliptical Galaxies Using Modified Prior, Arun Kumar Singh, 2019, International Journal of Management, Technology And Engineering (IJMTE), Vol. IX, Issue III, pp. 11611168. (SCI, UGC)
- Two and Three Dimensional Shape Distribution of Elliptical Galaxy NGC 315 Using Photometry, **Arun Kumar Singh**, 2021, International Journal of Innovative Research in Technology ((IJIRT), Vol. 8, Issue 6, 432 435. (Peer Review, UGC)
- Study of Intrinsic Parameters of Elliptical Galaxy NGC 1600, **Arun Kumar Singh** and Arun Kumar Diwakar, 2020, International Journal of Scientific & Engineering Research (IJSER), Vol. 11, Issue 12, pp. 214219. (UGC)
- Determination of Intrinsic Shape of Elliptical Galaxy: NGC 32768 Using Modified Prior, **Arun Kumar Singh**, 2021, International Engineering Journal for Research and Development ((IEJRD), Vol. 6, Issue 6, 1 5. (Peer Review)

Intrinsic Shapes of Elliptical Galaxies: NGC 5638 AND NGC 5813 Using Modified Prior, **Arun Kumar Singh**, 2015, International Journal of Scientific Research and Technology (IJSRT), Vol. 1, No. 1, pp. 51 - 58. (Peer Review)