

CURRICULUM VITAE

MAHENDRA KUMAR VERMA

SCHOOL OF STUDIES IN PHYSICS AND ASTROPHYSICS
PANDIT RAVISHANKAR SHUKALA UNIVERSITY
RAIPUR-492010
INDIA

Born : 1986, January 28.

Material status : No

Designation : Research scholar

Mailing address :

Mahendra Kumar Verma, SoS. In Physics and Astrophysics
Pt. Ravishankar Shukala University Raipur(Chhattisgarh)-492010, INDIA
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Residence:

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Languages Known

- Hindi, Chhattisgari (mother tongue)
- English (medium of education)
- Learned Telugu as 3rd language at school level

Education :

- Higher Secondary (physics, Chemistry, Mathematics, Hindi, English) , Board of Secondary education (2004) from School JNV Dongargarh.
- B.Sc (physics, Mathematics, Computer Science, Hindi, English),Pt. Ravishankar Shukla University Raipur(2007) .
- M.Sc Physics, School of Physics and Astrophysics PRSU Raipur (2009), Pt. Ravishankar Shukla University Raipur.
Project title: To Study the light curve of V711 Tau Binary star, School of Physics and Astrophysics PRSU Raipur (2009).
- In 2012, qualified the Ph.D Entrance exam From Pt. Ravishankar Shukala University Raipur and Completed Ph.D course work at SoS in physics and Astrophysics (PRSU) ,
- In 2014, registered as Research scholar (Ph.D) under the Supervision Prof. S.K.Pandey (Vice-Chancellor PRSU Raipur) and Co-Supervision Dr. Sudhanshu Barway South African Astronomical Observatory (SAAO) Cape Town, South Africa,

Field of Research : - Title of the Ph. D Thesis: “A Study of Central Regions of Lenticular (S0) Galaxies”

Supervisor:

Prof. S.K.Pandey (Vice-Chancellor PRSU Raipur)

Co-Supervisor

Dr. Sudhanshu Barway

South African Astronomical Observatory (SAAO) Cape Town, South Africa,

Research Interests

Nuclear Regions of Galaxies, Multi-Wavelength study of Galaxies. Surface Photometry of Galaxies
Structure and Evolution of Lenticular Galaxies

Teaching Experience

Post Held Guest lecturer in Physics At SOS in Physics and Astrophysics, Pt. Ravishankar Shukla University, Raipur

:- Taught Astronomy and Astrophysics to M.Sc. III rd and IV th Semester During 7/8/2015 to 30/04/2016,

:- Taught Astronomy in M.Sc III, IV Semester, Atomic Physics in M.Sc III Semester ,
Numerical analysis in M.Sc IInd Semester and observational astronomical techniques to Ph.D
course work students During season of 2017

:- Taught, Magneto statistics, Statistical Mechanics, Atomic Physics, and Nuclear physics In center
for basic sciences (CBS RAIPUR) during season of 2017-18.

Science Outreach Activities

Active participation in the organization of sky gazing programs and other science popularization
activities held by School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla
University, Raipur,

Computer Skill

Language Known: FORTARAN, PYTHON, HTML

Operating System: Linux, Windows

Packages and softwares

IRAF, PYRAF (general purpose image reduction and analysis software), TOPCAT (Virtual
Observatory tools), GNU PLOT, LA TEX, SEXTRACTOR

Frequently used data archives

SDSS sky server, NED, Vizier, HST Legacy Archive Hyperleda, NASA/IPAC, Spitzer IPAC/IRSA

Participation in conferences/Schools/Workshops

- Participate at Aries training school of observational astronomy(ATSOA-2014) 28 February to 12 March 2014.
- Workshop on Galaxy and Cosmology at the National Center For Radio Astrophysics of the Tata Institute of fundamental Research, From 7th July to 18th July 2014.
- Winter school on “The central region of spiral galaxies”, held on 12-23 January 2015 at IUCAA, Pune (INDIA).
- National Workshop on Astronomy with Small telescopes in the School of Physical Sciences during December 8-11, 2015, S.R.T.M. University, Nanded (INDIA)
- Attend IFAS2 (Second Indo-French Astronomical School) during July 11-16, 2016, Lyon, France) on “**Galaxy Formation and Evolution - Models to interpret**” observations. Also presented my work.
- Participate Astrostatistics Course at IUCAA, Pune during 2-10 Jan 2017.

References

Prof. S. K. Pandey

Pt. Ravishankar Shukla University, Raipur

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Dr. Sudhansu Barway

Scientist

Indian Institute of Astrophysics (IIA)

Bangalore(Karnatak)

Email: sudhanshu.barway@iiap.res.in