



Physics section
School of Sciences
Maulana Azad National Urdu University (Central University)
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RIZWAN UL HAQ ANSARI | ASSISTANT PROFESSOR

CURRENT DESIGNATION/ INVOLVEMENT Working as an **Assistant Professor** of Physics in School of Sciences, Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India.

AREA OF SPECIALIZATION Cosmology, Early Universe and Inflation, Cosmological Perturbation theory, Study of perturbations in dark energy, Bouncing Cosmology, late time acceleration of the universe.

ONGOING ACADEMIC RESEARCH/PROJECTS Higher Order Quantum Gravity Corrections on Inflationary Dynamics

INNOVATION WITH FIELD OF STUDY AND COLLABORATIVE EFFORTS Modified Theory of Gravity and Clustering of Multi-Component System of Galaxies, Mir Hameeda, Behnam Pourhassan, Mir Faizal, C. P. Masroor, Rizwan Ul Haq Ansari, P. K. Suresh, The European Physical Journal C, 79,769, (2019).

ACADEMIC AND ADMINISTRATIVE EXPERIENCE ASSISTANT PROFESSOR, SCHOOL OF SCIENCES- PHYSICS, MAULANA AZAD NATIONAL URDU UNIVERSITY (MANUU), GACHIBOWLI, HYDERABAD, SEPTEMBER 2014- TILL DATE

ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, GITAM UNIVERSITY, HYDERABAD
DECEMBER 2013-MAY 2014

GUEST FACULTY DEPARTMENT OF ASTRONOMY, OSMANIA UNIVERSITY, HYDERABAD
AUGUST, 2013-DECEMBER 2013

VISITING POST-DOCTORAL FELLOW.
INTER UNIVERSITY CENTRE FOR ASTRONOMY AND ASTROPHYSICS (IUCAA), PUNE

2ND MARCH 2012 TO 31ST AUGUST 2012

PROJECT SCIENTIST INTER UNIVERSITY CENTRE FOR
ASTRONOMY AND ASTROPHYSICS(IUCAA), PUNE
2ND MARCH 2010 TO 01ST MARCH 2012

Administrative responsibilities

Assistant to Head Procurement, MANUU 23-12-2017 22-12-2018

Assistant Dean students' welfare, MANUU 26-04-2016 23-12-2017

Academic Coordinator, Department of Physics, MANUU December, 2016 to
2019, November 2021- till date

Nodal teacher for Gender Champions programme of Ministry of women and Child
Development and MHRD, 31-10-2016 31-10-2017

EDUCATIONAL QUALIFICATION

PH.D. (PHYSICS) SCHOOL OF PHYSICS, UNIVERSITY OF
HYDERABAD, HYDERABAD. 2009

TEACHING PROFICIENCY

RESEARCH PUBLICATION DETAILS

In refereed journals

☑ Modified Theory of Gravity and Clustering of Multi-Component System of Galaxies, Mir Hameeda, Behnam Pourhassan, Mir Faizal, C. P. Masroor, Rizwan Ul Haq Ansari, P. K. Suresh, The European Physical Journal C, 79,769, (2019).

Effect of dark energy sound speed and equation of state on CDM power spectrum, Rizwan ul Haq Ansari and Sanil unnikrishnan, Journal of Physics: Conference Series (2014) 484 012048.

☑ Evolution of the density parameter in the anisotropic DGP braneworld cosmology, Rizwan ul Haq Ansari and P K Suresh, Int Journal of Mod Phys D 20, No. 13 2599 , (2011).

☑ Phase transitions in higher dimensional cosmology, Rizwan ul Haq Ansari and P K Suresh, Int Journal of Mod Phys A 25 No.1 113 (2010).

☑ Cosmology from anisotropic DGP Braneworld, Rizwan ul Haq Ansari and P K Suresh, Int Journal of Mod Phys D 19 No. 3 233 (2010).

☑ DGP Cosmology in Bianchi-I brane ,Rizwan ul Haq Ansari and P K Suresh, Phys Rev D 78, 043533 (2008).

☑ Bulk scalar Field in DGP Braneworld cosmology, Rizwan ul Haq Ansari and P K Suresh, JCAP 09 (2007) 021.(2008)

☑ On the one loop correction of Φ^4 theory in Higher Dimensions, Rizwan ul Haq Ansari and P K Suresh, Int Journal of Mod Phys A 22 No.29 5369

(2007).

In proceedings

☐ Transplanckian Physics from Cosmology, S Joras, G Marozzi and Rizwan ul Haq Ansari, Published in proceedings of Les Houches Summer school, France, Session 86, pg no:525, Elsevier publications.

☐ Braneworld graviton interactions in early universe phase transitions, Rizwan ul Haq Ansari, Cedric Delaunay, Rhiannon Gwyn, Anke Knauf, Alexander Sellerholm, Nausheen R. Shah, Federico R. Urban, Published in proceedings of Les Houches Summer school, France, Session 86, pg no:537, Elsevier publications. arXiv: hep-ph/0612321.

☐
Communicated and under preparation

☐ Perturbations in dark energy models with an evolving speed of sound, Rizwan ul Haq Ansari and S. unnikrishnan (arXiv: 1104.4609) Under review in Phys Rev D.

DETAILS OF
CONFERENCE/SEMINAR
/WORKSHOP/ FDP
(ATTENDED/PRESENTED)

Conference presentation

Cosmology From theoretical to Precision Science, Talk given at National Urdu Science Congress-2018, Maulana Azad National Urdu University, Hyderabad 8-9, February 2018.

☐ Effect of dark Energy Sound Speed on the CDM Power Spectrum, Talk given at International Workshop on dark energy, CTP, Jamia Millia Islamia, New Delhi, 21-23, December, 2011.

☐ Perturbations in dark energy models with evolving sound speed, Poster presented at International conference on cosmology and gravitation ICGC 2011, Goa, 14-19, December, 2011.

☐ Effect of dark Energy Sound Speed on the CDM Power Spectrum, Talk given Indian Conference on Cosmology and Galaxy Formation, IISER, Mohali, 5-7, November, 2011.

☐
☐ Anisotropic DGP braneworld cosmology, Talk given at 2nd Indo-Japan workshop on Gravitation and Cosmology, Jamia Millia Islamia, Delhi, 29-30 December 2009.

☐ Dynamics of DGP cosmology with a Bulk field, Talk given at ICSW07, 4th June 2007 Tehran, Iran.

☐ Introduction to DGP model, Talk given at IUCAA Reference Centre, University of North Bengal, 20th August 2009.

☐ Effects of Shear in DGP braneworld cosmology, Talk given at Physics Department, Cochin university of Science and technology, Kochi, 9th October

2009.

DETAILS OF KEYNOTE
SPEAKER/RESOURCE
PERSON/ SESSION CHAIR
ETC.

COSMOLOGY-UNRAVELLING THE MYSTERIES OF UNIVERSE, invited talk at Certificate course in Astronomy & Astrophysics, Dept of Astronomy, Osmania University, 19 July 2019.

☑ COSMOLOGY- FROM BIG BANG TO PRESENT, talk given at FOUNDATIONS OF ASTRONOMY AND ASTROPHYSICS, Certificate course in Astronomy & Astrophysics, Dept of Astronomy, Osmania University, 22 July 2017.

☑ Cosmology and Extra Dimensions,
Talk given for Vacation students' programme/Summer school, IUCAA, PUNE, May-June, 2010.

ACHIVEMENTS

1.

DETAILS OF SUPERVISION
(M.PHIL/M.TECH/P.HD.)

Currently two students are pursuing Ph.D under my supervision

PROFESSIONAL
MEMBERSHIPS

▪ **VISITING ASSOCIATE OF INTER-UNIVERSITY CENTRE FOR ASTRONOMY AND ASTROPHYSICS, PUNE FROM AUGUST 1, 2015 TILL DATE.**

PERSONAL DETAILS

Father's Name : Hamid Ali Ansari
Date of Birth :
Gender : Male
Marital Status : Married
Nationality : Indian
Language Known : Urdu, English, Hindi
Etc..

Date: 25-11-2021

Place: Hyderabad

(RIZWAN UL HAQ ANSARI)

[Last update on: 25th November 2021]