




ZAKIR HUSAIN DELHI COLLEGE
(University of Delhi)

Faculty Details

(Please Fill the form and Email it to website@zh.du.ac.in)

Title Dr.	First Name Anju		Photograph
Designation	Assistant Professor		
Address	Department of Physics Zakir Husain Delhi College(ZHDC), University of Delhi JawaharLal Nehru Marg, Delhi-110002		
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	Residence		
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Email Id	dahiyarinku1@gmail.com		
Web Page	GoogleScholar: https://scholar.google.com/citations?user=NqeKvHsAAAAJ&hl=en		
Educational Qualification			
Degree	Institution	Year	
B.Sc.	MDU University, Rohtak	2012	
M. Sc.	University of Delhi, New Delhi	2014	
Ph. D.	University of Delhi, New Delhi	2023	
NET JRF	CSIR	2015	
GATE	CSIR	2016	
Career Profile			
<ul style="list-style-type: none">❖ Assistant Professor, Zakir Husain Delhi College(ZHDC), University of Delhi <i>Feb 2024 – Present</i>❖ Guest- Lecturer, Maitreyi College, University of Delhi <i>Jan 2023 – Jan 2024</i>			
Administrative Assignments			

Areas of Interest / Specialization
Theoretical High Energy Physics, Particle Physics and Atomic Physics.
Subjects Taught
Quantum Mechanics, Classical Mechanics, Optics, Value Addition Courses (VAC) and Skill Enhancement Courses (SEC).
Research Guidance
Publications Profile
<ol style="list-style-type: none"> 1. Anju Dahiya, and S. Somorendro Singh. "Equation of State of a PNJL Model with Chemically Equilibrium QGP." <i>Indian Journal of Pure and Applied Physics</i>, 2019, 57, 664-667. 2. Anju Dahiya, and S. Somorendro Singh. "Equation of State of PNJL Model under the Influence of Thermal mass and Magnetic field." <i>Pramana Journal of Physics</i>, 2020, 94(1), 1-9. 3. Anju Dahiya, K. K. Gupta and S. Somorendro Singh. "Equation of State of Magnetized PNJL Model in Finite Chemical Potential." <i>Physics of Particles and Nuclei</i>, 2022, 53(2), 354-360. 4. Anju Dahiya, K. K. Gupta and S. Somorendro Singh. "Thermodynamic Quantities of Magnetized PNJL Model in Non-zero Chemical Potential." <i>Physics of Particles and Nuclei</i>, 2022, 96(4), 1-10. 5. Anju Dahiya, and S. Somorendro Singh. "Equation of State of 2+1 Flavor Quarks in Magnetized PNJL Model." <i>Few-Body Systems</i>, 2023, 64(2), 31.
Conference Organization/ Presentations (in the last five years)

<ol style="list-style-type: none"> 1. Anju Dahiya, "SERC Preparatory School in Theoretical High Energy Physics." SERC – Sponsored by Department of Science and Technology (SERC-2016), IIT Gandhinagar, India, 5th Sept- 1st Oct 2016. (SERC-School) 2. Anju Dahiya, "Equation of State of Magnetized PNJL Model." 62nd DAE-BRNS Symposium on Nuclear Physics (DAEBRNS- 2017), Patiala, India, 20th-24th Dec 2017. (Poster) 3. Anju Dahiya, "Equation of State of a PNJL Model with Chemically Equilibrium QGP." International Conference Nuclear Particle and Accelerator Physics (ICNPAP-2018), Jharkhand, India, 23rd-26th Oct 2018. (Poster) 4. Anju Dahiya "Equation of State (EOS) with Thermal mass and Magnetized PNJL Model." 23rd DAE-BRNS High Energy Physics Symposium (DAE-BRNS-2018), IIT Madras, India, 10th-14th Dec 2018. (Poster) 5. Anju Dahiya, "Internation Workshop on Frontiers in High Energy Physics (FHEP-2019), Hyderabad, India, 14th-17th Oct 2019. (Workshop) 6. Anju Dahiya, "Calculation of Thermodynamic Relations with a Modified and Magnetized Mass in PNJL Model of Cosmology." International Conference on Atomic, Molecular, Optical & Nano Physics with Applications(CAMNP-2019), Delhi, India, 18th-20th Dec 2019. (Conference Proceedings Publish in Springer) 7. Anju Dahiya, "2 + 1 Flavor Quarks Thermodynamics in a Magnetized QGP with Chemical Potential." 10th International Conference on New Frontiers in Physics (ICNFP-2021), Crete, Greece, 23rd Aug -2nd Sept 2021. (Poster)
Research Projects (Major Grants/Research Collaboration)
Awards and Distinctions
Association With Professional Bodies
Other Activities

