

Dr.Sathya Narayanan. K

Assistant Professor of Physics

Department of Physics, The Cochin College, Cochin-682 002, Kerala, India

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Education

Ph.D in Astro-Physics

Amrita Vishwa Vidyapeetham

2012 - 2018

Thesis title : "Diffuse ultra-violet observations near Taurus Molecular Cloud with GALEX data".

Supervisors: Prof. Jayant Murthy, Indian Institute of Astrophysics (IIA), Bengaluru, India & Prof. Narayanankutty Karuppath, Department of Physics, Amritapuri campus, Amrita Vishwa Vidyapeetham, India.

B.Ed in Physics & Chemistry

Mysore University

2009 - 2010

Passed with distinction (80% marks) from Ramakrishna Institute of Moral & Spiritual Education (RIMSE), Mysore University, Mysore, Karnataka, India

M.Sc in Physics

Calicut University

2005 - 2007

Passed post graduation in Physics with 75% marks from Govt. Arts & Science college, Calicut University, Calicut, Kerala, India

B.Sc in Physics

Calicut University

2002 - 2005

Passed graduation in Physics with 90% marks from Govt. Arts & Science college, Calicut University, Calicut, Kerala, India

Plus-2 in Science

Calicut University

2000 - 2002

Passed the higher secondary examination in Science group with 74% marks from Govt. Higher Secondary School, Kozhikode, Kerala, India

S.S.L.C

Calicut University

Mar. 2000

Passed the secondary school leaving examination with 88% marks from Poilkave High School, Calicut, Kerala, India

Experience

Assistant Professor

The Cochin College, Cochin, India

June. 2019 - Present

Assistant Professor of Physics in the department of Physics, The Cochin College, Cochin-682002 (Govt Aided college affiliated to MG University, Kerala), since 6th June 2019.

Visiting Associate

IUCAA-Pune, Cochin, India

August. 2020 - Present

Collaborating with Prof. Kanak Saha of Inter University center for Astronomy and Astrophysics (IUCAA), as an IUCAA Visiting associate since 1st August 2020.

Assistant Professor (on-contract)

RSM SNDP College, Kerala, India

July. 2018 - March. 2019

Assistant Professor of Physics in the department of Physics, RSM-SNDP Yogam College (Govt Aided college affiliated to Calicut University, Kerala) from July-2018 to March-2019 (9 months).

Assistant Professor (on-contract)

RSM SNDP College, Kerala, India

December. 2017 - March. 2018

Assistant Professor of Physics in the department of Physics, RSM-SNDP Yogam College (Govt Aided college affiliated to Calicut University, Kerala) from December-2017 to March-2018 (4 months).

Assistant Professor (on-contract)

RSM SNDP College, Kerala, India

July. 2016 - March. 2017

Assistant Professor of Physics in the department of Physics, RSM-SNDP Yogam College (Govt Aided college affiliated to Calicut University, Kerala) from July-2016 to March-2017 (9 months).

Teaching Assistant (Part time)

Amrita Vishwa Vidyapeetham

November. 2012 - June. 2016

Part-time teaching assistant in the department of Physics, Amrita Vishwa Vidyapeetham, Amritapuri campus, Kerala, India from November-2012 to June-2016. Duration: 3 years 7 months

Research Associate

Amrita Virtual Labs

January. 2011 - May. 2012

Research Associate in the Amrita virtual lab project, an initiative of MHRD of India at Amritapuri campus, Kerala, India from January-2011 to May-2012. Duration: 1 year 4 months

Guest Lecturer

Chinmaya Vidyalaya

July. 2008 - Feb. 2009

Guest lecturer in Physics for higher secondary (PLUS-2, Pre-degree) students at Chinmaya Higher Secondary School, Kerala, Calicut, India from July-2008 to February-2009. Duration: 8 months

International journals

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| 2017 | “Dust scattering from the Taurus Molecular Cloud” published in Monthly Notices of the Royal Astronomical Society, Volume 466, Issue 3, p.3199-3205 , | <i>M.N.R.A.S</i> |
| 2018 | “Diffuse GALEX Observations Near MBM 12: Preliminary Results” published in International Journal of Pure and Applied Mathematics, Volume 120, Issue 6, p. 6415-6424, | <i>IJPAM</i> |
| 2019 | “Dust-reddening studies near the Taurus molecular cloud” published in International Journal of Recent Technology and Engineering, Volume 8, Issue-2S2, | <i>IJEAT</i> |

Conference presentations

INTERNATIONAL

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| 2018 | “Dust reddening in the Taurus molecular cloud and modeling dust-scattered radiation” in the 14th Rencontres du Vietnam: Cosmic Cycle-2018 conference at International Centre for Interdisciplinary Science Education (ICISE) in the city of Quy Nhon, Central Vietnam, | <i>Viet Nam</i> |
| 2017 | “Dust Reddening studies in the Taurus region” in the 10th COSMIC DUST conference at National Astronomical Observatory of Japan, Mitaka, Campus, | <i>Tokyo, Japan</i> |
| 2017 | “Diffuse GALEX observations near Taurus Cloud” in the international symposium on UV SKY SURVEYS: THE NEEDS & MEANS’ at Tel-Aviv university, | <i>Tel Aviv, Israel</i> |
| 2017 | “Diffuse Ultraviolet Radiation near Taurus Molecular Cloud” in the 13th Asia Pacific Regional IAU Meeting (APRIM) at Taipei international convention center, | <i>Taipei, Taiwan</i> |
| 2016 | “Diffuse Ultra-Violet Radiation from Taurus Molecular Cloud” in the 34th Meeting of the Astronomical Society of India (ASI) at university of Kashmir at Srinagar, | <i>Kashmir, India</i> |

NATIONAL

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| 2013 | “Study of Molecular Clouds with GALEX” in the workshop on ASTRONOMY RESEARCH at Macfast, Thiruvalla, | <i>Kerala, India</i> |
| 2013 | “UV emission from Taurus Molecular Cloud” in the 23rd Swadeshi Science Congress at MG University, Kottayam, Kerala, | <i>Kerala, India</i> |

Events participation

2017	Workshop on Astrosat data analysis,	IUCAA, Pune
2017	10th COSMIC-DUST conference,	Tokyo, Japan
2017	International symposium on UV sky-surveys,	Tel-Aviv, Israel
2017	13th Asia-Pacific regional IAU meeting,	Taipei, Taiwan
2017	Refresher course in Astronomy & Astrophysics,	IUCAA, Pune
2017	Workshop on Data Intensive Science,	IUCAA, Pune
2016	34th meeting of Astronomical Society of India,	Kashmir, India
2016	International School for Young Astronomers,	Tehran, Iran
2015	CLOUDY workshop,	IUCAA, Pune
2014	Workshop on Python programming in Astronomy,	IUCAA, Pune
2014	Workshop on Galaxies & Cosmology,	NCRA-TIFR, Pune
2013	Workshop on Astronomy research,	Thiruvalla, Kerala
2013	23rd Swadeshi Science Congress,	Kottayam, Kerala
2012	Workshop on Advanced data analysis techniques in Astrophysics,	Calicut, Kerala
2012	Winter school on Astronomical & Cosmological surveys,	TIFR, Mumbai

Computer literacy

Proficiency in C, PYTHON and IDL programming-languages.
Proficiency in basic LINUX commands and LINUX based operating systems.
Basic knowledge in MATLAB, LATEX.

Communication skills

English (read, write, speak), Hindi (read, write, speak)
Malayalam (read, write, speak), Sanskrit (read, write)
Kannada (speak), Thamil (speak)

Extra-curricular

National Cadet Corpse (NCC)

29&30 Kerala Battalion

1998-2000; 2002-2005

- C certificate with B grade
- B certificate with A grade

Hobbies

- Playing Violin, Singing
- Yoga, Meditation
- Travelling alone
- Listening famous discourses/discussions

Reference

- Prof. Kanak Saha
IUCAA - Pune
India 411007
E-mail: kanak@iucaa.in
Phone: +91-20-25604 124

- Dr. Anand Narayanan
Associate Professor
IIST Trivandrum 695547
E-mail: anand.narayananr@gmail.com
Phone: 0471-2568543, +91-9495960960

- Dr. Jayant Murthy
Senior Scientist
IIA Bengaluru 560034
E-mail: jmurthy@yahoo.com
Phone: +91 8022 541263

Declaration

I hereby declare that the above information is correct to the best of my knowledge and belief. In case any of the above information is found incorrect my candidature/application is liable to be cancelled/terminated.



July 1, 2023
Kerala, India

Dr. Sathya Narayanan K