



# HENRY BAKER COLLEGE

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## PERSONAL DETAILS

NAME	DR. JINCY DEVASIA
DEPARTMENT	PHYSICS
DESIGNATION	ASSISTANT PROFESSOR (HOD)
EDUCATIONAL QUALIFICATION	M.Sc., Ph.D.
DATE OF JOINING	12 <sup>TH</sup> JUNE 2017
EMAIL	<a href="mailto:jincyd@henrybakercollege.edu.in">jincyd@henrybakercollege.edu.in</a>



## AREA OF SPECIALIZATION/RESEARCH INTERESTS

Astrophysics/X-ray Astronomy/Neutron stars, Pulsars, Blackholes

## CAREER PROFILE

<i>Sl. No</i>	<i>Institution</i>	<i>Designation</i>	<i>Period</i>
1	Henry Baker College, Melukavu	Assistant Professor	12/06/2017- present
2	Raman Research Institute, Bangalore	Postdoctoral fellow	12/04/2017-09/06/2017
3	Raman Research Institute, Bangalore	Consultant – ASTROSAT POC	22/08/2016-07/04/2017
4	Deva Matha College, Kuravilangad	FDP Substitute Lecturer	02/11/2015-31/07/2016
5	St. Dominic's College, Kanjirapally	Guest Lecturer	17/09/2014-30/01/2015

## RESEARCH PUBLICATIONS

<i>Sl. No</i>	<i>Name of the Journal</i>	<i>Title of the Article</i>	<i>ISSN No</i>	<i>Month &amp; Year</i>
1	New Astronomy	Thermonuclear X-ray bursts detected in Cyg X-2 using AstroSat/LAXPC	ISSN 1384-1076	2020
2	Journal of Astrophysics and Astronomy	Suzaku observation of the eclipsing high mass X-ray binary pulsar XTE J1855-026	ISSN 0250-6335	February 2018
3	Monthly Notices of Royal Astronomical Society	Timing and spectral studies of the transient X-ray pulsar GX 304- 1 during an outburst	ISSN 0035-871	October 2011
4	Monthly Notices of Royal Astronomical Society	RXTE-PCA observations of 1A 1118- 61: timing and spectral studies during an outburst.	ISSN 0035-8711	June 2011
5	Monthly Notices of Royal Astronomical Society	Flares, broadening of the pulse-frequency peak and quasi-periodic oscillations in the transient X-ray pulsar 4U 1901+ 03	ISSN 0035-8711	January 2011
6	Monthly Notices of Royal Astronomical Society	Discovery of a 0.02 Hz QPO feature in the transient X-ray pulsar KS 1947+ 300	ISSN 0035-8711	August 2010
7	Research in Astronomy and Astrophysics	Variations in the X-ray eclipse transitions of Cen X-3	ISSN: 1674-4527	November 2010

## BOOKS PUBLISHED

<i>Sl. No</i>	<i>Title of the Book</i>	<i>Year of Publication</i>	<i>Name of the Publisher</i>	<i>ISBN No</i>	<i>Year</i>

## ARTICLES/FEATURES

<i>Sl. No</i>	<i>Title of the Book</i>	<i>Title of the Articles</i>	<i>Year of Publication</i>	<i>Name of the Publisher</i>	<i>ISBN No</i>	<i>Year</i>
<u>1</u>	X-ray polarimetry: a new window in astrophysics	Development of a Thomson X-ray polarimeter	2010	Cambridge University Press	9780511750809	2010

## DETAILS OF WORKSHOPS/CONFERENCES/SEMINARS/SYMPOSIA ATTENDED

<i>Sl. No</i>	<i>Title of the seminar/workshop</i>	<i>Venue (UGC)</i>	<i>Date</i>	<i>Title of the paper</i>	<i>International/National/Regional</i>	<i>Invited/Contributed/Participation</i>
1	Introductory Workshop on Astronomy and Astrophysics for Women	Department of Physics, Alphonsa College Pala & IUCAA, Pune Venue: Alphonsa College Pala	September 13-15, 2018	Introduction to X-ray Pulsars	National	Invited
2	National Conference on Recent Trends in the study of Compact Objects – Theory and Observation (RETCO-III)	Indian Institute of Space Science and Technology, Thiruvananthapuram	05-07 June, 2017	Suzaku observation of the eclipsing high mass X-ray binary pulsar XTE J1855-026	National	Contributed
3	Seminar on Human Rights: Issues and Challenges	Deva Matha College, Kuravilangad, Internal Quality Assurance Cell	10-11 March 2016		International	Attended
4	National Seminar on Nanoscale Science and Technology	Deva Matha College, Kuravilangad	10-11 December, 2015		National	Attended

5	Seminar on Management of Learning Disabilities	Mount Carmel Teacher's Training Centre, Kottayam, The Institute for Person Centered Approaches in India (IPCAI)	31 <sup>st</sup> January, 2015		Regional	Attended
6	Conference on Astronomy Research: Opportunities and Challenges	Nirmala College, Muvattupuzha, jointly organised by IUCAA & IRC	8-10 December, 2014		Regional	Attended
7	39 <sup>th</sup> COSPAR Scientific Assembly	Infosys Campus, Mysore, India	14-22 July 2012	Pulse Phase Resolved Spectroscopy of Accretion Powered X-ray Pulsars- a powerful tool to probe dips in pulse profiles	International	Presented a poster
8	HEAP 2012- Winter School on High Energy Astrophysics	Harish-Chandra Research Institute (HRI), Allahabad	06-18 February, 2012		National	Attended
9	29th Meeting of the Astronomical Society of India	School of Studies in Physics & Astrophysics, Pt. Ravishankar Shukla University, Raipur	23-25 February, 2011	Energy dependent Pulse Profiles of Accretion Powered X-ray Pulsars	National	Presented a paper
10	Conference on 'Wideband X-ray	Inter University Centre for	13-16 January, 2011		National	Presented a poster

	Spectroscopy: Frontiers in Timing and Spectroscopy	Astronomy and Astrophysics (IUCAA), Pune				
11	11 <sup>th</sup> COSPAR Capacity Building Workshop on Fermi Data Analysis	RRI, Bangalore. Sponsored by COSPAR, RRI, IAU, GSFC, UNOOSA	08-19 February 2010		International	Attended
12	13 <sup>th</sup> Young Astronomer's Meet	Physical Research Laboratory, Ahmedabad	03-05 September, 2010	Dips in the Pulse Profiles of Accretion Powered X-ray Pulsars	National	Presented a paper
13	Conference on Accretion Processes around Compact Objects	Dept. Of Physics, Indian Institute of Science (IISc), Bangalore	14-16 July, 2010	Dips in the Pulse Profiles of Accretion Powered X-ray Pulsars	National	Presented a paper
14	Workshop on Galaxy Astronomy	Mahatma Gandhi University, Kottayam	30 October - 05 November, 2009		National	Attended
15	Workshop on Advances in Observational Astronomy	Mahatma Gandhi University, Kottayam	01-03 Dec, 2008		National	Attended
16	11 <sup>th</sup> Young Astronomer's Meet	Mahatma Gandhi University, Kottayam	03-05 Jan, 2008		National	Attended
17	UGC Sponsored Webinar on Outcome	IQAC, MES College, Marampally	28 May 2020		Regional	Attended

	Based Education					
18	Webinar on 'Material Simulations'	IQAC, Marthoma College for Women, Perumbavoor	27 May 2020		International	Attended
19	Webinar on 'Probing Semiconductors using Light'	Department of Physics, St. Joseph's College, Irinjalakkuda	22 May 2020		International	Attended
20	Webinar on 'Academic Excellence in Digital Era'	IQAC, Henry Baker College, Melukavu	25 May 2020		National	Attended

### WORKSHOPS/CONFERENCES/SEMINARS/SYMPOSIA/WORKSHOP ORGANIZED

<i>Sl. No</i>	<i>Title of the seminar/ workshop/ conference etc.</i>	<i>Venue/Agency</i>	<i>Date</i>	<i>International/National/ Regional</i>

### HONOURS AND AWARDS

<i>Sl. No</i>	<i>Award Name</i>	<i>Instituted by</i>

### POSITIONS HELD OR HOLDING IF ANY

<i>Sl. No</i>	<i>Position</i>	<i>Year</i>
1	Head of the Department	2018 - present
2	Nature Club- Coordinator	2018-19, 2019-2020
3	APT- TSE- Centre Coordinator	2017
4	Youth Red Cross – Asst. Director	2018-2019, 2019-2020
5	Research and Development Cell - Coordinator	2017-2018

## RESEARCH PROJECT

<i>Sl. No</i>	<i>Title of the Project</i>	<i>Funding Agency</i>	<i>Amount</i>	<i>Period</i>	<i>Major/Minor</i>

## MEMBERSHIP IN SCIENTIFIC/PROFESSIONAL SOCIETIES IF ANY

<i>Sl. No</i>	<i>Name of the Society</i>	<i>Nature of membership</i>	<i>Annual/Life time</i>

## RESEARCH SUPERVISION

<i>Sl. No</i>	<i>Scholar's Name</i>	<i>Title</i>	<i>University</i>	<i>Year of Registration</i>	<i>Status</i>

## COURSES ATTENDED FOR PROFESSIONAL DEVELOPMENT

<i>Sl. No</i>	<i>Name of the Course</i>	<i>Organizing Institute</i>	<i>Period</i>
1	Orientation Course	TLC, Ramanujan College, Delhi University	June 26, 2020 – July 24, 2020
2	Short Term Faculty Development Program on 'Implementation of Information and Communication Technology in Teaching'	School of Legal Studies, CUSAT jointly with Kerala State Higher Education Council, TVM	July 18-24, 2020
3	Refresher Course Astronomy and Astrophysics 2020	TLC, Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune	11 May to 12 June 2020