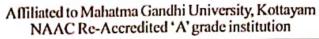


NEWMAN COLLEGE

THODUPUZHA, IDUKKI KERALA, INDIA - 685585





No:

Date: 23/06/2023

CERTIFICATE OF COLLABORATION

Dr. Biju KG, Associate Professor of Physics at WMO Arts and Science College, has been collaborating with the Research Department of Physics at Newman College, Thodupuzha, since 2010. He was a research student in the physics department of Newman College from 2010 to 2016, and his research supervisor was Dr. Joe Jacob, Associate Professor (Rtd) at Newman College. Dr. Biju KG has co-authored three research publications with Dr. Joe Jacob, and he continues to collaborate with Dr. Joe Jacob and Ms. Aparna Raj, a research student in the Department of Physics at Newman College.

Dr. Biju KG is the Co-Investigator in the following astronomy projects, with Ms. Aparna Raj as the Principal Investigator:

- 1. "GMRT mapping of eight episodic radio source candidates," dated 15-01-2022.
- "Exploring Episodic Jet Activity in Radio Loud AGNs: A Morphology Independent Search and uGMRT Observation of Ten Candidate Sources," dated 15-01-2023.

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DR. BIJIMOL THOMAS PRINCIPAL-IN-CHARGE NEWMAN COLLEGE THODUPUZHA

Dr. Beers Mary John Head, Dept. of Physics