Ms. S. BABIYANA

E-mail: arockkia@gmail.com

Contact: + 91- 9488690409

Professional Summary

College Professor with 16 years of experience in the field of Physics, teaching undergraduate and post graduate courses. Believe in student's creativity and practical knowledge. Focus on student's ability and knowledge for better outcome to society.

Experience : July 2008 to till date

Assistant Professor
PG and Research Department of Physics
Holy Cross College (Autonomous)
Tiruchirappallii-620002
India

Education:

Name of the course	Name of the Institution	University	Year of Passing	percentage
Ph.D	Arignar Anna Govt.Arts College, Musiri.	Bharathidasan university	Pursuing	
SET	Mother Theresa university, Kodaikanal		2017	
M.Phil	Jamal Mohammed College, Trichy.	Bharathidasan university	2008	84%
M.Sc	St. Joseph's College, Trichy.	Bharathidasan university	2007	79%
B.Sc	Holy Cross College, Trichy.	Bharathidasan university	2005	85%
HSC	St.Xavier's Higher Secondary School, Purathakudi.	State Board	2001	88%
SSLC	St.Xavier's Higher Secondary School, Purathakudi.	State Board	1999	91%

Subjects of Expertise:

(i) Electricity and Magnetism, Optics, Electronics, Digital Electronics, Atomic and Nuclear physics, Communication physics **(UG)**

(ii) Classical Mechanics, Electromagnetic theory **(PG)**

Leadership Profile:

i) Core member in Department of value education

ii) NIRF Core member

iii) NAAC parameter core member

iv) FIST core member

v) Star College Core member

vi) Core member in Fine Arts Team

Key Achievements:

- Presented papers in 5 International conferences and 2 National conferences
- Won Best paper presentation award in international conference

International Publications:

1. S. Babiyana , V. Balachandran , N. Thirughanasambantham , A. Viji , B. Narayana , Vinutha V. Salian, Naiyf S. Alharbi and Jamal M. Khaled, Spectroscopic characterizations, RDG and Docking study of 2-[3-(4-chlorophenyl)-5-(4-(propane-2-yl) phenyl-4, 5-dihydro-1Hpyrozol-1-yl]-4-(4-fluorophenyl)-1, 3-thiazole, Zeitschrift für Physikalische Chemie, (2024)0598. https://doi.org/10.1515/zpch-2024-0598.
2. Viji, A Revathi, B Balachandran, V Babiyana, S Narayana, B Salian, Vinutha V, Analysis of spectroscopic, quantum chemical calculations, molecular docking, RDG, ELF, anticancer and antimicrobial activity studies on bioactive molecule 2-[3-(4-Chlorophenyl)-5-(4-(propane-2-yl) phenyl-4,5- dihydro-1H-pyrazol-1-yl]-4-(4-methoxyphenyl)-1,3-thiazol, Chemical Data Collections, 30 (2020) 100585. https://doi.org/10.1016/j.cdc.2020.100585.
3. Viji A Balachandran, V Babiyana, S Narayana, B Saliyan, Vinutha V, FT-IR and FT-Raman investigation, quantum chemical studies, molecular docking study and antimicrobial activity studies on novel bioactive drug of 1-(2,4-Dichlorobenzyl)-3-[2-(3-(4-chlorophenyl)-5-(4-(propan-2-yl)phenyl-4,5-dihydro-1H-pyrazol-1-yl]-4-oxo-4,5-dihydro-1,3-thiazol-5(4H)-ylidence]-2,3-dihydro-1H-indol-2-one, Journal of Molecular Structure, 1215 (2020) 128244. https://doi.org/10.1016/j.molstruc.2020.128244.
4. Viji A Balachandran V Babiyana S Narayana B Saliyan, Vinutha V, Molecular docking and quantum chemical calculations of 4-methoxy-{2-[3-(4-chlorophenyl)-5-(4-(propane-2-yl)

phenyl)-4, 5-dihydro-1*h*-pyrazol-1-yl]- 1, 3-thiazol-4-yl}phenol, Journal of Molecular Structure, 1203 (2020) 127452. https://doi.org/10.1016/j.molstruc.2019.127452.

5. Viji A Balachandran V Babiyana S Narayana B Saliyan, Vinutha V , Spectroscopic investigation, quantum chemical analysis and molecular docking study of 5-Bromo-1-(2,4-dichlorobenzyl)-3- [2-(3-(4-chlorophenyl)-5-(4-(propan-2-yl)phenyl-4,5-dihydro-1h-pyrazol-1-yl]-4-oxo-4,5-dihydro-1,3-thiazol-5(4h)-ylidence]-2,3-dihydro-1h-indol-2-one, Journal of Information and Computational Science, 10 (2020)1317-1335

ORIENTATION / REFRESHER COURSES / FDP ATTENDED :

Name of the Course	**Academic Staff College, University**	**Duration in Days**	**From – To (Mention Date here)**
Faculty Induction Programme	Bharathidasan university	30	01.06.2022 - 30.06.2022
Refresher Course	Madurai Kamaraj University	14	07.10.2022 - 20.10.2022
Faculty Induction Programme	Ramanujan College, University of Delhi	30	20.04.2022 – 19.05.2022
Faculty Development Programme (Swayam Course)	NPTEL - AICTE	8 Weeks	July – September 2022
Faculty Development Programme (Swayam Course)	NPTEL - AICTE	8 Weeks	July – September 2024

Declaration

I hereby declare that all the information provided above are true up to the best of my knowledge.

Date: 14/10/2024
Place: Trichy

Yours Sincerely,
Ms. S. BABIYANA