



**JAMAL MOHAMED COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI.**  
**DEPARTMENT OF PHYSICS**

1. Name : **S. SHEK DHAVUD**
2. Date of Birth : 20<sup>th</sup> May 1981.
3. Address :  
Residential : 108/2, Highways colony,  
Subramaniyapuram,  
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4. Designation : Assistant Professor
5. Educational Qualifications :

	Examination Passed	Year
i) Bachelor's Degree	B.Sc	2001
ii) Master's Degree	M.Sc	2003
iii) Research Degree	M.Phil	2005
6. Experience:
  - i) UG : 11 years
  - ii) PG : 11 years
7. Area of Specialization : Materials Science.
8. Languages Known : Tamil, English.

9. Subject Taught :

Undergraduate: Properties of Matter, Mechanics, Electricity & magnetism,  
Basic electronics, Digital electronics, Allied/Applied Physics

Postgraduate : Special electronics, Mathematical Physics.

M.Phil : ---

10. Research Supervision: Nil

11. Details of Publications: **04**

#### **PUBLICATIONS IN INTERNATIONAL REFERRED JOURNALS**

- Effect of amino acid dopants on the spectral, optical, mechanical and thermal properties of potassium acid phthalate crystals for possible optoelectronic and frequency doubling applications. **Optics & Laser Technology 72 (2015) 108–115.**
- Growth and Characterization of L-Proline Doped ADP Crystals for Optoelectronic applications. **Material Science Research India 12 (2015) 22-27.**
- Investigations on the structural, optical, mechanical and microstructural properties of L-arginine doped SAP crystals – A potential material for NLO applications, **International Journal of Advanced Scientific Research and Development, 2 (2015) 217 – 228.**
- Influence of L- Histidine monohydrochloride dihydrate on the growth and properties of KAP single crystals for Nonlinear optical applications, **International Journal of Nano Corrosion Science and Engineering, 2 (2015) 146 – 156.**

12. Details of Paper Presented: **05**

- Participated and presented a research paper in the **National Seminar on Recent Trends in Crystal Growth and Nano materials NSCGNM 2014 held during 7<sup>th</sup> - 9<sup>th</sup> August 2014** organized by National College (Autonomous), Trichy.
- Participated and presented a research paper in the **19<sup>th</sup> National Seminar on Crystal Growth held during 12-14<sup>th</sup> March 2015** organized by VIT University, Vellore.
- Participated and presented a research paper in the **UGC Sponsored National Seminar on Laser and Its Applications (LAIA-2015) on 16<sup>th</sup> March 2015** organized by Jamal Mohamed College (Autonomous), Trichy.
- Participated and Poster presented a research paper in the **TEQIP – II sponsored International conference on recent advancements in materials (ICRAM – 2015)** at Anna university, Trichy during 16<sup>th</sup> & 17<sup>th</sup> October 2015.

- Participated and presented a research paper in the **UGC Sponsored International conference on Chemical and Environmental Research (ICER 2015)** at Jamal Mohamed College (Autonomous), Trichy during 17<sup>th</sup> December 2015.

13. Details of Seminars / Conferences / Workshops attended : **13**

- UGC sponsored State Level Seminar on “Applications of Ultrasonics to Organic and Biomolecular Compounds” held at Jamal Mohamed College, Trichy on 26<sup>th</sup> & 27<sup>th</sup> September 2005.
- UGC sponsored One day State level seminar on “Recent Trends in Power Science” on 23<sup>rd</sup> July 2008, held at Department of Physics, Jamal Mohamed College, Trichy.
- UGC sponsored One day State level seminar on “Recent Advances in Laser Applications (SLS – RALA – 2010)” on 1<sup>st</sup> March 2010 in commemoration of National Science Day held at Department of Physics, Jamal Mohamed College, Trichy.
- NAAC sponsored National Level seminar on Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions – Prospects and Problems organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Trichy on 15<sup>th</sup> & 16<sup>th</sup> April 2010.
- UGC sponsored State Level seminar on Examination Reforms held at Jamal Mohamed College (Autonomous), Trichy on 12<sup>th</sup> March 2010.
- A Seminar on “Creating Competitiveness to Excel in Higher Education-a TQM approach” organized by Internal Quality Assurance Cell, Jamal Mohamed College(Autonomous), Tiruchirappalli on 8<sup>th</sup> December 2010.
- A one day UGC sponsored intercollegiate seminar on “Nano Science and Technology” on 7<sup>th</sup> October 2010, held at Department of Physics, Jamal Mohamed college, Trichy-20.
- UGC sponsored State level seminar on “Advanced Research in Physics – a few Perspectives” (ARPP) held at P.G. and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 28<sup>th</sup> February 2012.
- UGC sponsored National Level seminar on Nano science and Laser materials Processing organized by PG and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 9<sup>th</sup> March 2013.

- UGC sponsored International seminar on Crystalline Materials and Optoelectronic Devices organized by PG and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 3<sup>rd</sup> February 2014.
- One day workshop on Amateur Radio organized by PG and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 28<sup>th</sup> February 2014.
- Participated in the Second National Conference on Recent Advances in Materials (NCRAM-2014) held during 3<sup>rd</sup> & 4<sup>th</sup> September 2014 organized by B.S. Abdur Rahman University, Chennai.
- Participated a National workshop on Crystal growth, Thin films and Solar cells at National College (Autonomous), Trichy during 4<sup>th</sup> September 2015.

14. Details of Seminars / Conferences / Workshops organized: Nil

15. Details of Orientation / Refresher Course attended: 02

- Orientation Course attended from 20-05-2010 to 16-06-2010 held at UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli-24.
- Attended Refresher course attended from 27-01-2012 to 10-02-2012 held at Academic Staff College, Bharathidasan University, Tiruchirappalli.

16. Details of Study Material / Books written and published: Nil

17. Details of chairing as Resource Person: Nil

18. Administrative Positions held in the college: Nil

19. Details of Incharge / Membership in committees for Autonomous programme Implementation: Nil

20. Details of Incharge / Participation in Extracurricular Activities: Nil

(NSS, NCC, Sport, Games, Voluntary Association and Cultural Activities)

21. Details of participation in consultancy, training, Development etc.,: Nil

22. Details of membership in Academic Bodies:

- Member of Board of Studies, Department of Physics, Jamal Mohamed College.

23. Details of membership of Professional Bodies: Nil

24. Countries Visited: Nil

25. Any other information if any: Nil