RESUME

K ANNAPOORANI
eMAIL:subakari01@gmail.com
Mobile: 9629487515, 044 25990696

➢ OBJECTIVE

To do best for my organization and improve it.

➢ ACADEMIC QUALIFICATION

Details of Study	Board/ University	Name of institution	Year of Passing	Percentage
SSLC	Matric	Stellamaris Matriculation	Apr. 2004	87
HSC	State Board	Sri Visalakshi Hr. Sec. School	Mar. 2006	85
BSc-physics	Bharathiar University	Government Arts College-Udumalpet	Apr. 2009	95.7
MSc-physics	Bharathiar University	Government Arts College-Udumalpet	Apr-2011	86.75
Ph. D	Synthesis, Structural and Optical studies on Er^{3+}, Er^{3+}:Yb^{3+}, Eu^{3+} ions doped telluroborate and borate glasses for Photonic applications		(on October 2019)	

➢ AWARDS AND PRIZES

- First rank holder (**gold medalist**) in bharathiar university during 2009 in BSc.physics.
- Best student award in government arts college-udumalpet-2009.
- PG MERIT scholarship for university first rank holder by UGC
- Best Poster award for the Luminescence and Energy transfer studies on Er^{3+} doped Magnesium telluroborate glasses presented in 24th DAE – BRNS National Laser Symposium (NLS – 24) organised by Raja Ramanna Centre for Advanced Technology, Indore on December 2 – 5, 2015
- Appreciation prize for oral presentation in Temperature Dependent Luminescence behaviour in Er^{3+} doped Lithium Borate glasses Presented in National conference on Luminescence and its Applications (NCLA – 2016) organised by Department of Physics, Rashtrasant Tukadoji Maharaj

Nagpur University, Nagpur & Tayawade College, Koradi, Nagpur in association with Luminescence society of India on 18 – 19 February, 2016

- **SOFTWARE SKILLS**

  - MS Office, C, C++, Ms DoS, HTML, Origin 8.5, Matlab, Mathematica

- **LANGUAGES SKILLS**

  - Passed in Prathamic and Madhyama in First Class

- **PROJECT WORKS**

  - Structural, optical and energy transfer studies of RE^{3+} ions in oxyfluoride glasses for the development of luminescent devices –funded by DAE- BRNS project under Dr. K. Marimuthu, Assistant Professor, Gandhigram Rural Institute – Deemed University for the period 2013 – 2016
  - Structural Properties of Co-doped ZnO Thin Film and Influence of Layer on the Optical Properties of Pure ZnO Thin films prepared by Sol- Gel Dip Coating during Graduate Programme.

- **EXTRA-CURRICULAR ACTIVITIES**
  - NSS

- **HOBBIES AND INTERESTS**
  - Listening to carnatic music, reading books, playing chess

- **LIST OF PUBLICATIONS IN INTERNATIONAL JOURNALS**

1. Structural and luminescence behavior of Er^{3+} ions doped Barium tellurofluoroborate glasses

   K. Annapoorani, K.Maheshvaran, S. Arunkumar, N. Suriya Murthy, K.Marimuthu, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy **135** (2015) 1090–1098

2. Structural and Spectroscopic behavior of Er^{3+}:Yb^{3+} co-doped Lithium telluroborate glasses

   K. Annapoorani, K.Maheshvaran, S. Arunkumar , N. Suriya Murthy, Tero Soukka, K.Marimuthu, Physica B - Condensed Matter **457** (2015) 66–77

3. Influence of Er^{3+} ion concentration on spectroscopic properties and luminescence behavior in Er^{3+} doped Strontium telluroborate glasses
   K. Annapoorani, N. Suriya Murthy, T. R. Ravindran**,** K. Marimuthu, Journal of Luminescence **171** (2016) 19 – 26

4. Investigations on Structural and Luminescence behavior of Er^{3+} doped Lithium Zincborate glasses for Lasers and Optical Amplifier Applications
   K. Annapoorani, Ch. Basavapoornima, N. Suriya Murthy, K. Marimuthu, Journal of Non-Crystalline Solids **447** (2016) 273–282

5. Spectroscopic properties of Eu^{3+} ion doped Barium telluroborate glasses for red laser applications
   K. Annapoorani, K.Marimuthu, Journal of Non-Crystalline Solids **463** (2017) 148 – 157

6. Investigations on the Optical properties of Dy^{3+} ions doped Potassium Aluminiumtelluroborate glasses for White Light applications
   K. Annapoorani, P. Karthikeyan, Ch. Basavapoornima, K. Marimuthu, Journal of Non-Crystalline Solids 476 (2017) 128 – 136

7. Investigations on the Spectroscopic properties of Dy^{3+} ions doped Zinc calcium tellurofluoroborate glasses
   P. Karthikeyan, S. Arunkumar, **K. Annapoorani,** K. Marimuthu, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 193 (2018) 422 – 431

8. White light stimulation from Dy^{3+} doped B_2O_3–PbO–ZnO–Bi_2O_3 glasses for WLED applications
   M.Vijayakumar, S.Arunkumar, **K.Annapoorani,** K.Marimuthu, AIP Conference Proc. **1591** 775 (2014)

9. Structural and optical characterization of Er^{3+} doped zinc telluroborate glasses for green laser applications

K.Annapoorani, T.R. Ravindran, N. Suriya Murthy, K. Marimuthu, AIP Conference Proc. **1665**, 070004 (2015)

10 NIR luminescence studies on Er^{3+}:Yb^{3+} co-doped sodium telluroborate glasses for lasers and optical amplifer applications

K. Annapoorani, N. Suriya Murthy, K. Marimuthu, AIP Conference Proc. **1731**, 070011 (2016)

11. Investigations on Optical Properties of Eu^{3+} ion Doped Magnesium Telluroborate Glasses for Red Laser Applications

K. Annapoorani, S. Arun Kumar, K. Marimuthu AIP Conference Proc. **1942**, 070018 (2018)

12. Energy Transfer Studies in Dy^{3+} ions doped Aluminium Telluroborate glasses

K. Annapoorani, P. Karthikeyan, K. Marimuthu

International Journal of Scientific Research in Science and Technology (IJSRST)

Volume – 3 , Issue – 11, November – December 2017 Pg. NO 170 – 174

Print ISSN : 2395-6011, Online ISSN : 2395-602X

➢ LIST OF PAPER PRESENTED/PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCE

1. Structural and optical band gap studies on Er^{3+} doped Barium tellurofluoroborate glasses

K. Annapoorani, S. ArunKumar, K. Maheshvaran, K. Marimuthu

Presented in National Conference on Luminescence and its Applications (NCLA – 2014) organized by Department of Post Graduate Studies and Research in Physics and Electronics, Rani Durgavati Vishwavidyalaya in association with Luminescence society of India on 5 – 7 February, 2014.

2. Luminescence Studies on Er^{3+} ions doped Strontium tellurofluoroborate glasses

K. Annapoorani, K. Maheshvaran, K. Marimuthu

Presented in National Conference on Advanced Materials (NCAM – 2014) organized by the Department of Physics & Department of Electronics, St. Joseph's College, Tiruchirappalli on 24th February 2014.

3. Investigations on Luminescence behaviour of Er^{3+}: Yb^{3+} co-doped telluroborate glasses for broadband amplifiers

K. Annapoorani, S. ArunKumar, K. Marimuthu

Presented in DAE – BRNS National Laser Symposium (NLS – 23) organised by Department of Physics, Sri Venkateswara University, Tirupati on December 3 – 6, 2014

4. Structural and Optical Characterization of Er3+ doped Zinc telluroborate Glasses for Green Laser Applications

   K. Annapoorani, T. R. Ravindran, N. SuriyaMurthy, K. Marimuthu

   Presented in 59th DAE solid state physics symposium organised by VIT University, Vellore on December 16 – 20, 2014

5. Spectroscopic Analysis of Er^{3+} doped Calcium telluroborate glasses for Green laser Applications

   K. Annapoorani, K. Marimuthu

   Presented in 5th International Conference on Luminescence and its Application (ICLA 2015) organised by PES University, PES Institute, Bengaluru in association with Luminescence society of India on 9 – 12 February, 2015

6. Structural and Luminescence Studies on Er^{3+} doped Magnesium Telluroborate Glasses

   K. Annapoorani, R. VijayaKumar, K. Marimuthu

   Presented in International Conference on Science, Technology and applications of Rare Earths (ICSTAR – 2015) organised by Rare Earths Association of India on April 23 – 25, 2015

7. Luminescence and Energy transfer studies on Er^{3+} doped Magnesium telluroborate glasses

   K. Annapoorani, N. SuriyaMurthy, K. Marimuthu

   Presented in 24th DAE – BRNS National Laser Symposium (NLS – 24) organised by Raja Ramanna Centre for Advanced Technology, Indore on December 2 – 5, 2015

8. Structural and Optical properties of Er^{3+} doped alkaliborate glasses for Laser applications

   K. Annapoorani, K. Marimuthu

   Presented in International Conference on Recent Advances in Materials and Chemical Sciences (ICRAMCS – 2015) organised by Department of Chemistry, Gandhigram Rural Institute – Deemed University, Gandhigram on December 14 – 15, 2015

9. NIR Luminescence Studies on Er^{3+}:Yb^{3+} co-doped Sodium telluroborate glasses for Lasers and Optical amplifier Applications

   K. Annapoorani, N. SuriyaMurthy, K. Marimuthu

   Presented in 60th DAE Solid State Physics Symposium organised by Amity University, UP, Noida on December 21 – 25, 2015

10. Temperature Dependent Luminescence behaviour in Er^{3+} doped Lithium Borate glasses
    K. Annapoorani, N. SuriyaMurthy, K. Marimuthu
    Presented in National conference on Luminescence and its Applications (NCLA – 2016) organised by Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur & Tayawade College, Koradi, Nagpur in association with Luminescence society of India on 18 – 19 February, 2016
11. Structural and optical properties of Eu^{3+} ion doped telluroborate glasses for Red laser Applications
    K. Annapoorani, N. SuriyaMurthy, K. Marimuthu
    Presented in International Conference on Sustainable Energy Technologies for Smart & Clean Cities (SETS & CC – 2016) organised by Indian Institute of Technology, Tirupati, Amara Raja Batteries Ltd, Krishna Teja Educational Institutions, Southern University and A & M College on July 27 – 29, 2016

12. Investigations on Structural and Optical Studies of Dy^{3+} ion doped telluroborate glasses for White Light Applications
    K. Annapoorani, K. Marimuthu
    Presented in National Conference on Luminescence and Applications (NCLA – 2017) organised by CSIR – Indian Institute of Chemical Technology (IICT), Hyderabad, Mahatma Gandhi National Institute of Research & Social Auction (MGNIRSA), Hyderabad, Luminescence society of India on 9 – 11, January, 2017
13. Influence of Lithium ion in the Conductivity of Lithium Telluroborate glasses
    P. Vanitha, **K. Annapoorani,** K. Marimuthu
    Published in National Conference on Recent Advances in the Applications of Macromolecular Materials (RAAMM – 2017) organised by Department of Chemistry, Gandhigram Rural Institute – Deemed University, Gandhigram during March 2- 3, 2017
14. Energy Transfer Studies in Dy^{3+} ions doped Aluminium Telluroborate glasses
    K. Annapoorani, P. Karthikeyan, K. Marimuthu
    Presented in International Conference on Advanced Materials organised by the Department of Physics, St. Joseph's College (Autonomous), Tiruchirappali during 14 – 15, December 2017.

➢ LIST OF WORKSHOPS/SEMINAR ATTENDED

1. Recent Trends in Mathematical modelling and simulation organised by Department of Science and Humanities, P. A. College of Engineering and Technology on 28th December 2012
2. National Workshop on Luminescence Materials Devices and Applications organized by Department of Physics, Bangalore University, Bangaluru & Luminescence society of India on November 22 – 23, 2013
3. National Workshop on Luminescence Materials Devices and Applications organised by Luminescence society of India in association with Indira Gandhi Centre for Atomic Research, Kalpakkam on August 19 – 20, 2015
4. National workshop on Advanced Materials and their applications (NWAMA – 2020) organised by Department of Physics, Gandhigram Rural Institute (Deemed to be University) during Feb 3-4, 2020.
5. Faculty development programme on "NAAC, THE NEW FORMAT : A PARADIGM SHIFT" organised by Thiruthangal Nadar college on 14 September 2019

➢ WORKING EXPERIENCE

Teaching	(i) September 2011 – March 2013 (1 year 7 months) in Karpagam Institute of Technology, Coimbatore (ii) December 2017 –December 2018 (1 year) in Subramanya College of Arts and Science
Research	April 2013 – December 2017 (4 years 9 months) in Gandhigram Rural Institute – Deemed University, Gandhigram
Membership	SPIE Student Member

➢ PERSONAL DETAILS

Name	:	Mrs. K Annapoorani
Husband Name	:	Mr. S Srikkaanth
Date of Birth	:	31\12\1988
Sex	:	Female
Mother Tongue	:	Tamil
No.of Publications in International Journal	:	12
No. of papers presented In International/National Conference	:	14
Mailing Address	:	W/O S Srikkaanth, 22/33, B K N colony, 3rd Street, Chennai - 600019
Mobile	:	9629487515

➢ DECLARATION

I hereby declare the above information is true to my knowledge. If I am appointed I will be sincere and responsible to my concern and I will work for the benefitable of my concern honestly.

Thanking you.

Your's sincerely,

Date :

Place : Udumalpet

(K. ANNAPOORANI)