

CURRICULUM VITAE

ARUN JEGANATHA JOSEPH.P,
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CAREER OBJECTIVES

To be known as an excellent teacher amongst the student community and helps them to know their strengths and weakness and to drive them to achieve greater heights and to make them better citizens.

EDUCATIONAL QUALIFICATION

DEGREE	BOARD/UNIVERSITY	INSTITUTION	START YEAR	END YEAR	PERCENTAGE WITH CLASS
Ph.D. Physics	Bharathidasan University	St. Joseph's College, Trichy.	2016	April 2022	Thesis Submitted
M.Phil., Physics	Bharathidasan University	St. Joseph's College, Trichy.	2014	2015	79.24
M.Sc., Physics	Bharathidasan University	St. Joseph's College, Trichy.	2012	2014	74
B.Ed.,	TamilNadu Teachers Education University	St. Xavier's College of Education, Palayamkottai.	2011	2012	79
B.Sc., Physics	Madurai Kamarajar University	Arul Anandar College, Karumathur.	2008	2011	74.71
XII	State Board	Govt.Hr.Sec.School, N.Panjampatty	2007	2008	63.75
X	State Board	Govt.Hr.Sec.School, N.Panjampatty	2005	2006	74.80

DISSERTATION / THESIS DELIVERED / RESEARCH EXPERIENCE

DEGREE	TITLE OF THE THESIS / PROJECT	MONTH AND YEAR OF COMPLETION
Ph.D. Physics	“Synthesis, Structural And Optical Investigations On Dy ³⁺ Doped Alkali-Alkaline Metal Oxide Based Borate And Borophosphate Glasses For Photonic Applications”	April 2022 (Thesis submitted)
M.Phil., Physics	“Structural and Emission Study of Dysprosium Doped Alkali Borate Glass”	September 2015
M.Sc., Physics	“Structural and Absorption Study of Erbium Doped Alkali Borate Glass”	April 2014

Paper Published

ARTICLES IN JOURNALS

- [1] **P. Arun Jeganatha Joseph**, K. Maheshvaran, I Arul Rayappan, Structural and Optical Studies on Dy³⁺ ions Doped Alkali Lead Borophosphate Glasses for White Light Applications, *Journal of Non-Crystalline Solids*, Volume 557, 1 April 2021, 120652 (Elsevier).
- [2] **P. Arun Jeganatha Joseph**, K. Maheshvaran and I. Arul Rayappan, Absorption and Emission Analysis of Dy³⁺ Doped Fluoroborate Glasses for White Light Application, *AIP Conference Proceedings*, 2100, 020060, (2019); doi: 10.1063/1.5098614.
- [3] **P. Arun Jeganatha Joseph**, J. Jemma Vinothini, K. Maheshvaran, and I. Arul Rayappan, Optical studies on alkali-alkaline Dy³⁺-doped lead-alumino-borophosphate glasses for white LED's application, *AIP Conference Proceedings*, 1942, 070025 (2018); doi: 10.1063/1.5028823.
- [4] **P. Arun Jeganatha Joseph**, I. Arul Rayappan, Structural and Optical Studies on Dy³⁺ Doped Alkali Zinc Fluoroborate Glasses for White Light Stimulation, *International Journal of Scientific Research in Science and Technology (IJSRST)*, Volume 3, Issue 11, (2017) 10-14, ISSN : 2395-602X.
- [5] **P. Arun Jeganatha Joseph**, K. Maheshvaran, Satendra Kumar, I. Arul Rayappan, Spectroscopic and Concentration Dependent Photoluminescence Properties of Dy³⁺ ions Doped Magnesium Borophosphate Glasses for Photonic Applications, *Journal of Luminescence*, (Communicated-Under Review), (Elsevier).

CONFERENCE PUBLICATIONS

1. **P. Arun Jeganatha Joseph**, K. Maheshvaran, K. Marimuthu, I. Arul Rayappan, Structural and Optical Investigation on Dy³⁺-doped fluoroborate glasses, National Conference on Luminescence and its Applications (NCLA-2016), held on 18-20 February, 2016, at R.T.M Nagpur University and taywade college, Nagpur, pp. 61-61.
2. A. Josuva D'Silva, **P. Arun Jeganatha Joseph**, I. Arul Rayappan, Concentration dependent structural and optical properties of Dy³⁺ doped Magnesium fluoroborate glasses, "National Conference on Impact of Nano science in Modern Technology" (NCINSMT-16), held on 21st March 2016, at Bon Secours College for Women, Thanjavur, Page-6.
3. A. Josuva D'silva, **P. Arun Jeganatha Joseph**, I. Arul Rayappan, Structural and optical investigations on concentration Dependent Dy³⁺ doped magnesium fluoroborate glasses, "Second International Conference on Materials Science and Technology" ICMST 2016, held on 05-08 June 2016, at St.Thomas College, Palai, Kerala, DP615.
4. **P. Arun Jeganatha Joseph**, K. Maheshvaran, K. Marimuthu, I. Arul Rayappan, Structural and Optical Studies on Dy³⁺ Doped Zinc Fluoroborate Glasses for UV to Visible Conversion, National Conference on Luminescence and its Applications, NCLA-2017, held on 9th-11th January, 2017, at (MGNIRSA) and (IICT), Hyderabad, PP 111-111.
5. V. Vidhya, **P. Arun Jeganatha Joseph**, K. Maheshvaran, I. Arul Rayappan, Luminescence studies on alkali-alkaline Dy³⁺ doped lead-alumino-boro-phosphate glasses for white LED's applications, International Conference on Energy, Environment and Advanced Materials for a sustainable future, ICEEAMSF 2017, held on 23-24 May 2017, at Kongu Engineering College, Perundurai, Erode, OP/AM053.
6. V. Vidhya, V. Anthony Raj, **P. Arun Jeganatha Joseph**, I. Arul Rayappan, Concentration dependent structural and optical investigations of Dy³⁺ doped Lithium Fluoroborophosphate glasses, International Conference on advanced materials science and technology (ICAMST-2017), held on 17-19 August, 2017, at Bannari Amman Institute of Technology, Sathyamangalam, Erode, PP-126.
7. **P. Arun Jeganatha Joseph**, K. Maheshvaran, K. Marimuthu, I. Arul Rayappan, Structural and Optical Transitions in Dy³⁺-Doped Borophosphate Glasses for White LED's Application, International Conference on Science, Technology And Applications Of Rare Earths, Icstar-2018, held on September 23-25, 2018, at Fortune Kences Hotel, Tirupati, Andhra Pradesh, India-517 502.
8. **P. Arun Jeganatha Joseph**, K. Maheshvaran, I. Arul Rayappan, Structural and

Spectroscopic Analysis on Dy³⁺ Doped Sodium Zinc Fluoroborate Glasses for Photonic applications, Presented and awarded best paper in “International Web Conference on Advanced Materials (IWCAM - 2019)” held on 28th & 1st Mar 2019, at St. Joseph’s college, Trichy.

9. **P. Arun Jeganatha Joseph**, A. Josuva D’Silva, J. Sebastin Christurajan, K. Maheshvaran, I. Arul Rayappan, Structural and Optical properties on without and with Dy³⁺ Doped Alkali Zinc Fluoroborate Glasses For Photonic applications, Presented a paper in UGC sponsored National Seminar on “Optical Characterization Technique” held on 28th March 2019, at Andhra Loyola College (Autonomous), Vijayawada.

TECHNICAL SKILLS

Operating System: Windows

Software Package: Origin (Graph Plotter V.8.5 and above)

Application Software: Microsoft Office

AREA OF INTEREST: Materials Science and Luminescence in glasses

EXPERTISE

Hands-on experience in operating sophisticated instruments,

- High temperature muffle furnace (1400°C)
- UV-Vis spectrophotometer
- Photoluminescence spectrophotometer

LEADERSHIP RESPONSIBILITIES UNDERTAKEN

- Active Nature club Volunteer from 2008 to 2011 in Arul Anandar Collage.
- Sports Secretary for the Department of Physics from 2010 to 2011 and we got overall championship in sports activity.
- Captain for the foot ball team in 2010 to 2011.

CURRICULAR AND CO-CURRICULAR ACHIEVEMENTS

- Won First place in Inter College meet volley ball tournament at UG (B.Ed) level.

COMPUTER SKILLS

- Proficiency in typing and MS Office.
- Good working knowledge on Origin.

REFERENCES

1. Dr. I. Arul Rayappan,
Associate Professor,
Department of Physics,
St. Joseph's College (Autonomous),
Tiruchirappalli - 620 002.
Email: arulroy@gmail.com

2. Dr. R. John Xavier,
Assistant Professor,
Department of physics,
Periyar E.V.R. College,
Tiruchirappalli – 620023.
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Personal details

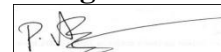
Father's name : Poul Raj. T
Mother's name : Sahayam. P
D.O.B : 10/03/1991
Mother Tongue : Tamil
Native State : Tamilnadu
Languages known : Tamil, English.
Marital Status : Single
Permanent address : 4/67 Sebastiar Street,
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Pin Code -624303,
Tamilnadu,
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Contact No : 8056542034

I hereby declare that the above mentioned information is true to the best of my knowledge and belief.

Place: Trichy-02

Date: 10-05-2022

Signature



(Arun Jeganatha Joseph. P)