

CURRICULUM VITAE

R. DIVINA
D/O S. RAJU
10/54 BODINAYAKKAN PATTY,
NAGAL NAGAR,
DINDIGUL – 624003
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CAREER OBJECTIVES

To work with full strength in dynamic organization which provides new challenge that help to add value to the organizations and individuals. Seeking a challenge career to value on time performance, where I can enhance my working skills, strength and experience which helps achieving target.

ACADEMIC QUALIFICATION

DEGREE	BOARD / UNIVERSITY	NAME OF THE INSTITUTE	YEAR	% / CGPA
Ph. D. Physics	The Gandhigram Rural Institute – Deemed to be University	The Gandhigram Rural Institute – Deemed to be University, Gandhigram	2018-present (Thesis submitted)	-
M. Sc. Physics	Bharathidasan University	St. Joseph's college, Trichy	2016-2018	8.42
B. Sc. Physics	University of Madras	Stella Maris college, Chennai	2013-2016	7.614
H.S.C	State Board of School Examinations, Tamilnadu	St. Joseph's Matric Hr. Sec. School, Dindigul	2013	86.6%
S.S.L.C	State Board of Matriculation and Anglo Indian School Examinations, Tamilnadu	St. Joseph's Matric Hr. Sec. School, Dindigul	2011	92.6%

DISSERTATION / THESIS DELIVERED

DEGREE	TITLE OF THE THESIS / PROJECT	MONTH AND YEAR OF COMPLETION
Ph. D. Physics	Spectroscopic and Radiation shielding investigations on Sm^{3+} , Dy^{3+} ions doped Boro-tellurite glasses and Eu^{3+} , Dy^{3+} ions doped Bismuth leadborate glasses	June 2021 (Thesis submitted)
M. Sc. Physics	Synthesis, structural and optical investigation on Dy^{3+} doped alkali Borophosphate glass	April 2018
B. Sc. Physics	Synthesis and characterization of Ferrous oxide nanoparticles	February 2016

RESEARCH OUTCOMES

No. of Publications in International Journals	:	5 + 1 (First author + Co-author)
No. of publications in Conference proceedings	:	1
No. of Workshops/Webinars attended	:	6

LIST OF PUBLICATIONS

1. “ Dy^{3+} ion as optical probe to study the luminescence behavior of Alkali lead bismuth borate glasses for w-LED application”
R.Divina, P.Evangelin Teresa, K.Marimuthu
Journal of Alloys and Compounds **883** (2021) 160845
2. “Exploration on dysprosium ions doped zinc barium boro-tellurite glasses towards radiation screening and photonic applications”
G.Sathiyapriya, *R.Divina*, K.Marimuthu, M.Vijayakumar, E.Lacomme, M.I.Sayed
Physica B: Physics of Condensed Matter **612** (2021) 412991
3. “Effect of modifier oxides on the synthesis, structural, optical and gamma/beta shielding properties of bismuth lead borate glasses doped with europium”
R.Divina, K.A.Naseer, K.Marimuthu, Y.S.M.Alajerami, M.S.Al-Buriah
Journal of Materials Science: Materials in Electronics **31** (2020) 21486–21500

4. “Structural, elastic, optical and γ -ray shielding behavior of Dy^{3+} ions doped heavy metal incorporated borate glasses”
R.Divina, G.Sathiyapriya, K.Marimuthu, A.Askin, M.I.Sayyed
Journal of Non-Crystalline solids **545** (2020) 120269
5. “Physical and Structural effect of modifiers on dysprosium ions incorporated borotellurite glasses for radiation shielding purposes”
R.Divina, K.Marimuthu, K.A.Mahmoud, M.I.Sayyed
Ceramics International **46** (2020) 17929–17937
6. “Physical, Structural, and Radiation shielding properties of B_2O_3 – MgO – K_2O – Sm_2O_3 glass network modified with TeO_2 ”
R.Divina, K.Marimuthu, M.I.Sayyed, H.O.Tekin, O. Agar
Radiation Physics and Chemistry **160** (2019) 75–82
7. “Luminescence studies on Eu^{3+} ions doped telluroborate glasses for photonic applications”
R.Divina, P. Suthanthirakumar, K.A.Naseer, K.Marimuthu
American Institute of Physics Conference Proceedings **2115** (2019) 030267

PAPER PRESENTED IN INTERNATIONAL CONFERENCES

1. “Structural and Non-linear optical properties of Eu^{3+} ions doped Borotellurite glasses” (poster)
R.Divina, M.Mariyappan, K.Marimuthu
International Conference on Science, Technology and Application of Rare Earths (ICSTAR-2018) held at Fortune Kences Hotel, Tirupati from September 23-25, 2018

PAPERS PRESENTED IN NATIONAL CONFERENCES/WEBINARS

1. “Synthesis, structural and luminescence studies on Dy^{3+} doped modifier reliant borotellurite glasses for white light applications”
P.Evangelin Teresa, *R.Divina*, K.Marimuthu
National Webinar cum Workshop on Luminescence Applications and Materials organized by Luminescence Society of India, in collaboration with SSN College of Engineering, Kalavakkam, Tamilnadu on 25th June 2021

2. “Investigation on the Structural and Luminescence properties of Eu^{3+} ions doped alkali Lead borate glasses for photonic applications”

R.Divina, G.Sathiyapriya, K.Marimuthu

National Conference on recent trends in Advanced Materials Research held at Bharath Institute of Science and Technology, Selaiyur, Chennai on 21st Februray 2020

3. “Structural and Optical properties of Dy^{3+} ions doped Calcium telluroborate glasses for Laser and WLED applications”

G.Sathiyapriya, **R.Divina**, K.Marimuthu

National Conference on recent trends in Advanced Materials Research held at Bharath Institute of Science and Technology, Selaiyur, Chennai on 21st Februray 2020

4. “Luminescence studies on Eu^{3+} ions doped Telluroborate Glasses for Photonic Applications”

R.Divina, P.Suthanthirakumar, K.A.Naseer, K.Marimuthu

63rd DAE Solid State Physics Symposium (DAE-SSPS 2018) held at Guru Jambheshwar University of Science and Technology (GJUS&T), Hisar, Haryana from December 18-22, 2018

SOFTWARE PROFICIENCY

Operating System : Windows
Software Package : Origin (Graph Plotter V.8.5 and above)
Application Software : Microsoft Office

EXPERTISE

Hands-on experience in operating sophisticated instruments,

- High temperature muffle furnace (1200 °C)
- UV-Vis spectrophotometer
- Photoluminescence spectrophotometer

REFERENCES

1. Dr. K. Marimuthu,

Assistant Professor,

Department of Physics,

The Gandhigram Rural Institute – Deemed to be University,

Gandhigram.

Email: mari_ram2000@yahoo.com

2. Dr. I. Arul Rayappan,

Associate Professor,

Department of Physics,

St. Joseph's College,

Tiruchirappalli.

Email: arulroy@gmail.com

PERSONAL DETAILS

Father's name	:	S. Raju
Mother's name	:	I. Jacqueline Mary
Date of Birth	:	07.11.1995
Gender	:	Female
Nationality	:	Indian
Religion & Caste	:	Christian & BC
Marital Status	:	Single
Linguistic Proficiency	:	Tamil, English

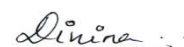
DECLARATION

I declare that the above furnished details are true to the best of my knowledge and belief.

Place: Dindigul

Date: 05.08.2021

Signature



(R. Divina)