

## Dr.GIRIDHARAN D

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Department of Physics,  
Bishop Heber College,  
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### Qualification

Degree	Branch	Institution / University	Year of Passing
Doctor of Philosophy	Physics	School Of Physics, Bharathidasan University	April 2019
M. Sc	Physics	School Of Physics, Bharathidasan University	April 2011
B. Sc	Physics	Bishop Heber College, Trichy	April 2009

### Ph.D. Details

Title of Thesis		Area of Specialization
Nonlinear Magnetization Dynamics in One Dimensional Magnonic Crystals		Nonlinear Dynamics - Spintronics
Research Supervisor	Research Centre	Year of Award
Prof. M. Daniel	Centre for Nonlinear Dynamics, School of Physics, Bharathidasan University, Trichy	April 2019

Cleared NET / SET :	Details	Year of Passing
SET		October 2012

### Work Experience

Name of Institution	Address of Institution	Designation	From	To
Theivanai Ammal College for Women	Chennai - Trichy Trunk Road Viluppuram-605602 Tamilnadu	Assistant Professor	01-06-2018	30-11-2018
Bishop Heber College	Trichy	Assistant Professor	01-06-2019	Till Date

### Teaching / Research Experience

U.G. : 5 years

P.G. : 5 years

M.Phil.

Ph.D.

## Table of Contents

1.	<b>Conferences / workshops / Seminars Attended</b>	<b>34</b>
2.	<b>Research Papers Presented</b>	<b>5</b>
3.	<b>Publication in Journals</b>	<b>4</b>
4.	<b>Publication in Books</b>	<b>0</b>
5.	<b>Books Published / Edited</b>	<b>0</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>0</b>
7.	<b>Research Projects</b>	<b>0</b>
8.	<b>Resource Person</b>	<b>0</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>2</b>
11.	<b>Patent</b>	<b>0</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>0</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>0 / 0</b>

1. State level Seminar on **"Assessment and evaluation in outcome based education"** sponsored by G. T. N. Arts college(Autonomous), Madurai organized by G. T. N. Arts college(Autonomous), Madurai at Madurai during 05/11/2020 to 05/11/2020.
2. National level Seminar on **"Webinar on crystallography and its applications"** sponsored by Er. Perumal manimekalai college of engineering, Hosur organized by Er. Perumal manimekalai college of engineering, Hosur at Hosur during 05/08/2020 to 05/08/2020.
3. State level Orientation on **"An online training programme for CSIR NET exam in physical sciences"** sponsored by PG & Research Department of Physics,Bishop Heber College organized by PG & Research Department of Physics,Bishop Heber College at Trichy during 02/06/2020 to 05/06/2020.
4. State level Seminar on **"Reprogramming your mind"** sponsored by Sri Venkateswara college of technology, Sriperampudhur organized by Sri Venkateswara college of technology, Sriperampudhur at Sriperampudhur during 01/06/2020 to 01/06/2020.
5. State level Seminar on **"Online teaching tools"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 30/05/2020 to 30/05/2020.
6. State level Seminar on **"Webinar on Global opportunities in space exploration and research"** sponsored by Sri Venkateswara college of technology, Sriperampudhur organized by Sri Venkateswara college of technology, Sriperampudhur at Sriperampudhur during 29/05/2020 to 29/05/2020.
7. State level Seminar on **"Webinar on future of automotive technology"** sponsored by Sri Venkateswara college of technology, Sriperampudhur organized by Sri Venkateswara college of technology, Sriperampudhur at Sriperampudhur during 28/05/2020 to 28/05/2020.
8. College level Seminar on **"Webinar on unlocking online evaluation"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 22/05/2020 to 22/05/2020.
9. State level Seminar on **"Webinar on online teaching: the new form"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 21/05/2020 to 21/05/2020.
10. International level Seminar on **"International webinar on nonlinear waves in physics:from solitary waves to rogue waves"** sponsored by SRM institute of science and technology, Chennai organized by SRM institute of science and technology, Chennai at Chennai during 13/05/2020 to 13/05/2020.
11. National level Seminar on **"Webinar on skills acquired during the transition"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at Gandhinagar, Gujarat during 12/05/2020 to 12/05/2020.
12. National level Orientation on **"Online faculty development programme"** sponsored by IIT Bombay & MHRD, Govt. of India organized by Loyola college of arts and science, Chennai at Chennai during 11/05/2020 to 16/05/2020.
13. National level Workshop on **"Online workshop on research methodology: Reviewing literature"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at Gandhinagar, Gujarat during 07/05/2020 to 07/05/2020.
14. National level Workshop on **"Online workshop on research methodology"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at Gandhinagar, Gujarat during 05/05/2020 to 05/05/2020.
15. International level Conference on **"International conference on Applied Basic Science"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 19/11/2019 to 21/11/2019.
16. College level Refresher on **"Faculty Enrichment Programme: An intensive coaching for UGC/CSIR-NET examinations"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 11/11/2019 to 15/11/2019.

17. College level Orientation on **"Faculty Recharging Programme"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 12/06/2019 to 13/06/2019.
18. College level Orientation on **"FDP on Problem Solving in Physics"** sponsored by PG & Research Department of Physics, Bishop Heber College organized by PG & Research Department of Physics, Bishop Heber College at Trichy during 06/06/2019 to 08/06/2019.
19. International level Conference on **"62nd DAE Solid State Physics Symposium (DAE SSPS - 2017)"** sponsored by DAE organized by Bhabha Atomic Research Centre (BARC), Mumbai at Mumbai during 26/12/2017 to 30/12/2017.
20. International level Conference on **"61st DAE Solid State Physics Symposium (DAE SSPS - 2016)"** sponsored by DAE organized by KIIT University, Bhubaneswar at Bhubaneswar during 26/12/2016 to 30/12/2016.
21. International level Conference on **"International Conference on Magnetic Materials and its Applications (ICMAGMA 2016)"** sponsored by DST organized by VIT University, Vellore at Vellore during 01/12/2015 to 04/12/2015.
22. International level Conference on **"IEEE INTERMAG-2015"** sponsored by IEEE Magnetics organized by China National Convention Centre, Beijing at Beijing, China during 11/05/2015 to 15/05/2015.
23. National level Conference on **"Nineth Conference on Nonlinear Systems and Dynamics (CNSD - 2015)"** sponsored by DST organized by IISER Mohali at Mohali during 13/03/2015 to 15/03/2015.
24. International level Workshop on **"Indo-Japan Workshop on Magnetism at Nanoscale (IJWMN-2015)"** sponsored by DST organized by NISER, Bhubaneswar at Bhubaneswar during 09/01/2015 to 12/01/2015.
25. National level Workshop on **"GIAN Course on Complex Systems: Modeling and Analysis"** sponsored by Indian Institute of Technology, Kharagpur organized by School of Physics, Bharathidasan University at Trichy during 11/12/2014 to 15/12/2014.
26. International level Conference on **"Dynamics Days Asia - Pacific 08 (DDAP08)"** sponsored by DST organized by IIT, Chennai at Chennai during 21/07/2014 to 24/07/2014.
27. National level Workshop on **"NMI Workshop on Nonlinear Integrable Systems and Their Applications"** sponsored by Bharathidasan University organized by School of Physics, Bharathidasan University at Trichy during 24/02/2014 to 01/03/2014.
28. University level Workshop on **"Training Programme on Research Writing"** sponsored by Bharathidasan University organized by Department of English, Bharathidasan University at Bharathidasan University during 27/01/2014 to 31/01/2014.
29. National level Conference on **"Conference on Condensed Matter and Biological Systems"** sponsored by DST organized by Banaras Hindu University at Varanasi during 11/01/2014 to 14/01/2014.
30. National level Conference on **"National Education Summit Gujarat 2014"** sponsored by Govt. of India organized by Govt of India at Mahatma Mandir, Gandhinagar, Gujarat during 10/01/2014 to 11/01/2014.
31. National level Conference on **"Eighth National Conference on Nonlinear Systems and Dynamics (CNSD -2013)"** sponsored by DST organized by IIT, Indore at Indore during 11/12/2013 to 14/12/2013.
32. National level Orientation on **"DST-SERC School on Nonlinear Dynamics"** sponsored by DST organized by S.N Bose National Centre for Basic Sciences at Kolkata during 30/11/2012 to 22/12/2012.
33. National level Conference on **"Seventh National Conference on Nonlinear Systems and Dynamics (CNSD - 2012)"** sponsored by DST organized by IISER, Pune at Pune during 12/07/2012 to 15/07/2012.



34. National level Workshop on **"National Level TPSC Workshop on Nonlinear Physics : Theory, Experiments and Applications"** sponsored by TPSC organized by Nehru Memorial College, Trichy at Trichy during 29/03/2010 to 31/03/2010.

## Research Papers Presented

- 5

1. **"Controlling the motion of solitons in 1-D magnonic crystal"** in the International conference on *62nd DAE Solid State Physics Symposium (DAE SSPS - 2017)* sponsored by DAE, organized by Bhabha Atomic Research Centre (BARC), Mumbai at Mumbai during 26/12/2017 to 30/12/2017.
2. **"Nonlinear magnetic excitations in periodic array of ferromagnetic alloys"** in the International conference on *61st DAE Solid State Physics Symposium (DAE SSPS - 2016)* sponsored by DAE, organized by KIIT University, Bhubaneswar at Bhubaneswar during 26/01/2016 to 30/01/2016.
3. **"Current-Induced Magnetization Dynamics in 1-D Bicomponent Magnonic Crystal"** in the International conference on *IEEE INTERMAG-2015* sponsored by IEEE Magnetics, organized by IEEE Magnetics at China National Convention Centre, Beijing, China during 11/05/2015 to 15/05/2015.
4. **"Soliton solution for the Landau-Lifshitz equation of a one-dimensional bicomponent magnonic crystal"** in the International conference on *Nineth Conference on Nonlinear Systems and Dynamics (CNSD - 2015)* sponsored by DST, organized by IISER Mohali at Mohali during 13/03/2015 to 15/03/2015.
5. **"Nonlinear Magnetization Dynamics in One Dimensional Magnonic Crystal"** in the International conference on *Indo-Japan Workshop on Magnetism at Nanoscale (IJWMN-2015)* sponsored by DST, organized by NISER, Bhubaneswar at Bhubaneswar during 09/01/2015 to 12/01/2015.

## Publication in Journals

- 4

1. **"Controlling the motion of solitons in 1-D magnonic crystal"** published in AIP Conference Proceedings (PEER REVIEW) Vol. 1942, Issue No. 1, December 2017 ISSN : 978-0-7354-1634-5.  
Impact factor , Scopus Index 1, h - index 1, Citation index 1
2. **"Nonlinear magnetic excitations in periodic array of ferromagnetic alloys"** published in AIP Conference Proceedings (PEER REVIEW) Vol. 1832, Issue No. 1, December 2016 ISSN : 978-0-7354-1500-3.  
Impact factor , Scopus Index 1, h - index 1, Citation index 1
3. **"Soliton solution for the Landau-Lifshitz equation of a one-dimensional bicomponent magnonic crystal"** published in PHYSICAL REVIEW E (PEER REVIEW) Vol. 94, Issue No. 3, September 2016 ISSN : 2470-0045.  
Impact factor , Scopus Index 5, h - index 5, Citation index 5
4. **"Current-Induced Magnetization Dynamics in 1-D Bicomponent Magnonic Crystal"** published in IEEE Transactions on Magnetism (PEER REVIEW) Vol. 51, Issue No. 11, July 2015 ISSN : 0018-9464.  
Impact factor , Scopus Index 1, h - index 1, Citation index 1

## Awards Recieved - 2

Award Name	Presented by	Year	Level	Instituted by / Place	amount
DST - INSPIRE Fellow	DST Govt. of India	01/01/2012	NATIONAL	Department of Science and Technology	
University First Rank - Gold Medal		29/04/2011	UNIVERSITY	Bharathidasan University	



**Signature of Staff**  
**(GIRIDHARAN D)**