

### Bio Data

1	Name	: Dr. R. K. Biju
2	Date of Birth	: 28. 04.1981
3	Gender	: Male
4	Designation	: Assistant Professor of Physics- Academic Level 12
5	Qualifications	: M Sc Physics; M Phil; Ph D; B Ed; SET; Departmental Test (L & H)
6	Official Address	: Department of Physics, Pazhassi Raja NSS College, Mattanur, Mattanur College (P.O), Kannur-670702
7	Residential Address	: Kuttiyal House, Vayakkara, Kaithapram PO Sreekandapuram VIA, Kannur-670631
8	Contact Number & Email Id	: Mob: 9447484615 Resi: 04602997615 Email: <a href="mailto:bijurkn@gmail.com">bijurkn@gmail.com</a>
9	Date of Entry in Service	: 13.12.2010
10	Achievements	: See Annexure I
11	Research Experience excluding years spend in M.Phil/Ph.D, if any	: 12 Years
12	Details of MRP sponsored by National or International agencies, if any	: Minor Research Project: One <b>Title:</b> "Nuclear Structure Studies via Cluster Decay" <b>Agency:</b> University Grants Commission <b>Order No:</b> MRP(S) - 1354 /1112/KLKA 011/ UGC-SWRO Dated 10.07.2012
13	Research guide or not (if yes, mention the number of research students)	: Yes, Three
14	No of Ph D awarded under the Guidance	: 01- Awarded 01- Thesis Submitted
15	Details of Orientation Course (if any)	: See Annexure II
16	Details of Refresh Course/Research Methodology/Workshop/Syllabus up-gradation /Training in Teaching – Learning and Evaluation / Technology Programmes/ Faculty development programmes/ MOOCs Course/Development of e- contents (if any)	: See Annexure III

17	Research publications in peer-reviewed or UGC listed journals	: See Annexure IV			
18	Invited lecturers and papers at International/National/State or University level	: See Annexure V			
19	Details of research guidance, projects and consultancy, if any ( Ph.D/M.Phil /PG/UG students) (Add separate sheet if needed)	: See Annexure VI			
20	<b>Period wise service in NSS Colleges</b>				
	Name of the college	Designation	Date From	Date To	
	1. NSS College, Nemmara	Assistant Professor	13.12.2010	15.11.2012	
	2. PRNSS College, Mattanur	Assistant Professor	16.11.2012		
21	<b>Promotion Details</b>				
	Sl.No	Post (Mention the Academic Level)	Date of promotion	Approval order No.& Date	Remarks
	1	Assistant Professor - Academic level 11	13.12.2014	No.Acad/B1/1210/2015 dt.18.04.2015 from the Registrar, Kannur University	Nil
	2	Assistant Professor - Academic level 12	13.12.2019	Acad H1/16045/2020 (IV) dt.01.03.2021 from the Registrar, Kannur University	Nil
	3	Associate Professor - Academic level 13A	13.12.2022	.....	Submitted the APAR
22	Date of retirement	: 30.04.2037			

## Annexure I

### Achievements:

- ❖ **Member Senate**, Kannur University, Kannur (24.06.2019 to 23.06.2023)
- ❖ Approved **Research Guide** of Kannur University
- ❖ Produced **one Ph D and Submitted One thesis for Ph D** under the Guidance
- ❖ Guiding **Three students** for Ph D
- ❖ Completed **One UGC minor research Project** sponsored by UGC
- ❖ Member, **Board of Studies in Instrumentation (combined)**, University of Calicut, 2013-15
- ❖ Member, **Board of Studies in Electronics (combined)**, Kannur university, 2013-15
- ❖ Member, **Board of Studies in Physics (UG)**, Kannur university, 2015-17
- ❖ Member, **Board of Question Paper Setter**, University of Calicut
- ❖ Member, **Board of Question Paper Setter**, University of Kerala
- ❖ Chairman, **Board of Question Paper Setter**, University of Kerala
- ❖ Question paper Setter, **Kerala Public Service Commission**
- ❖ Member, **Question Paper Setter**, CMS College, Kottayam (Autonomous)
- ❖ Guided more than **fifteen** students for M Sc Project
- ❖ Life time member- **Indian Physics Association**
- ❖ Life time Member-**Kerala Academy of Sciences**
- ❖ **Director of IQAC**, PRNSS College, Mattanur from December 2021 onwards
- ❖ Performed as the **Principal in charge** of PRNSS College, Mattanur (8 months)
- ❖ Resource Person in National Seminar/ Workshops : 12  
Organized Seminar/ Workshops : 10

Google Scholar link : <https://scholar.google.co.in/citations?user=10MDYtMAAAAJ&hl=en>

### **Journal Citations**

	<b>All</b>	<b>Since 2018</b>
<b>Citations</b>	519	238
<b>h-index</b>	10	8
<b>i10-index</b>	10	8

**Annexure II**

<b>Name of the Course</b>	<b>Venue</b>	<b>Duration (From -To)</b>	<b>Sponsoring Agency</b>
Orientation Programme	HRDC, Kannur University	08.07.2014 to 04.08.2014	UGC-HRDC, Kannur University

**Annexure III**

<b>Name of the Course / SummerSchool</b>	<b>Venue</b>	<b>Duration (From -To)</b>	<b>Sponsoring Agency</b>
Refresher Course in Physics	HRDC, Kannur University	12.10.2011 to 02.11.2011	UGC-HRDC, Kannur University
Summer School in Quantum Mechanics	HRDC, Kannur University	03.04.2013 to 23.04.2013	UGC-HRDC, Kannur University
Faculty Development Programme	Kalamassery, Eranakulam	06.05.2019 to 10.05.2019	Kerala State Higher Education Council
Refresher Course on MOOC and E-content development	HRDC, Pondicherry University	22.05.2019 to 04.06.2019	UGC-HRDC Pondicherry University
Short Term course on Human Resource Management	HRDC, Kannur University	25.09.2019 to 01.10.2019	UGC-HRDC, Kannur University
Faculty Development Programme	Online	13.07.2020 to 17.07.2020	Kerala State Higher Education Council
Faculty Development Programme on Systematic Literature Review and Meta - Analysis	Online	06.05.2021 to 12.05.2021	Teaching learning Centre, Ramanujan College, Delhi University under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
One week FDP-Edu. Tech Hands-on Online Workshop	Online	23.06.2021 to 28.06.2021	Kerala State Higher Education Council
Short term course in Gender Studies	Online	23.08.2022 to 29.08.2022	UGC-HRDC, Kannur University
FDP programme on Academic Research Writing	Online	05.09.2022 to 11.09.2022	Teaching learning Centre, Ramanujan College, Delhi University under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching

## Annexure IV

### Research publications in peer-reviewed or UGC listed journals

1. Studies on alpha, cluster and halo emissions from  $Z= 128-132$  superheavy nuclei leading to doubly magic 310126 daughter nuclei  
K Prathapan, KP Anjali and **RK Biju**, Indian Jour. of Phys. 96 (10) 2949-2961 (2022)
2. Study of cluster emissions from heavy nuclei using an empirical formula and the Coulomb and Proximity potential model for deformed nuclei  
K Prathapan, MK Preethi Rajan, **RK Biju**, International Journal of Modern Physics E, 22500289 (2022)
3. Theoretical study of 1p, 2p-halo nuclei formed via the decay of elements in the superheavy region with  $Z$  ranging from 115 to 120  
KP Anjali, K Prathapan, **RK Biju**, Pramana 96 (1), 1-25 (2022)
4. Systematic study of alpha and cluster preformation probability using new empirical formulae,  
K Prathapan, MK Preethi Rajan, **RK Biju**, International Journal of Modern Physics E 31 (7), 2250068-204 (2022)
5. Empirical formula for heavy cluster decay in the superheavy region  
K Prathapan, **RK Biju**, International Journal of Modern Physics E 30 (12), 2150106 (2021)
6. Possible 1-and 2-Neutron Halo Emission from Super-heavy Elements via Cluster Radioactivity  
K Prathapan, KP Anjali, **RK Biju**, Brazilian Journal of Physics 51 (6), 1784-1802 (2021)
7. Comparison between Cluster Decays, Halo Emissions, Alpha Decay and Spontaneous Fission from 290-320122 Superheavy Nuclei  
K Prathapan, KP Anjali, **RK Biju**, Journal of Research in Physics and Applied Sciences 4 (2), 1-24 (2021)
8. Study on the Formation of 1 and 2 Neutron Halo Nuclei via Decay of Elements in Super-heavy Region  
K Prathapan, KP Anjali, **RK Biju**, Newest Updates in Physical Science Research Vol. 14, 84-98 (2021) (*Chapter in a Book*)
9. Beta Decay Studies of Nuclides in the Heavy Region  
MK Preethi Rajan, **RK Biju**, KP Santhosh, Journal of Nuclear Physics, Material Sciences, Radiation and Applications 8, No. 1, pp.43-53 (2020)
10. Theoretical Study on the Formation of 1-neutron and 2-neutron Halo Nuclei via Decay of Elements in Super-Heavy Region  
K Prathapan, KP Anjali, **RK Biju**, Journal of Nuclear Physics, Material Sciences, Radiation and Applications 8, pp 11-24 (2020)
11. A Study on the Emission of 1, 2 Proton Halo Nuclei from Parent with  $Z= 121-128$  in the Superheavy Nuclei via Cluster Radioactivity  
KP Anjali, K Prathapan, **RK Biju**, Braz. Journal of Physics 50 (3), 298-316 (2020)
12. Studies on the existence of various 1p, 2p Halo isotopes via cluster decay of nuclei in superheavy region  
KP Anjali, K Prathapan, **RK Biju**, Brazilian Journal of Physics 50 (1), 71-88 (2020)
13. Studies on the emission of various exotic fragments from superheavy nuclei via cluster decay process  
KP Anjali, K Prathapan, **RK Biju**, Nuclear Physics A 993, 121644 (2020)

14. Existence of  $^{15-21}\text{N}$ ,  $^{17-23}\text{O}$ , and  $^{19-25}\text{F}$  Neutron Halo Nuclei via Cluster Decay Process in the Superheavy Region  
K Prathapan, KP Anjali, **RK Biju**, Braz. Journal of Physics 49 (5), 752-759 (2019)
15. A Systematic Study on the Existence of  $^{7-9}\text{B}$ ,  $^{16-19}\text{Ne}$ ,  $^{8-11}\text{C}$ ,  $^{23-30}\text{P}$  and  $^{26-32}\text{S}$  Nuclei via Cluster Decay in the Super Heavy Region  
KP Anjali, K Prathapan, **RK Biju**, KP Santhosh, Journal of Nuclear Physics, Material Sciences, Radiation and Applications 7, issue 1, pp 1-12 (2019)
16. Studies on two neutrino double beta decay  
MK Preethi Rajan, **RK Biju**, KP Santhosh, Indian Jour. of Phys. 92 (7), 893 (2018)
17. Semi empirical Formula for neutrinoless double beta decay  
M. K. Preethi Rajan, **R K Biju** and K. P. Santhosh, Journal of Nuclear Physics, Material sciences Radition and applications, V-3 No-2 165(2016)
18. Stability of  $^{248-254}\text{Cf}$  isotopes against alpha and cluster radioactivity  
K. P. Santhosh and **R. K. Biju**  
Annals of physics V334 280 (2013)
19. Cluster formation in the trans-tin and trans-lead nuclei  
K. P. Santhosh, **R. K. Biju** and Sabina Sahadevan, Nucl. Phys. A **838** 38 (2010)
20. Semi empirical formula for spontaneous fission half life time  
K. P. Santhosh, **R. K. Biju** and Sabina Sahadevan, Nucl. Phys. A **832** 220 (2010)
21. Alpha radioactivity in heavy and super heavy elements,  
K. P. Santhosh, Sabina Sahadevan and **R. K. Biju**, Nucl. Phys. A **825** 159 (2009)
22. The systematic study of spontaneous fission versus alpha decay of super heavy Nuclei  
K. P. Santhosh, **R. K. Biju** and Sabina Sahadevan, J. Phys. G: Nucl. Part. Phys. **36** 115101 (2009)
23. Stability of  $^{244-260}\text{Fm}$  isotopes against alpha and cluster radioactivity  
K. P. Santhosh, **R. K. Biju** and Sabina Sahadevan, Pramana J. Phys. **73** 1059 (2009)
24. Neutron and proton shell closure in the superheavy region via cluster radioactivity in  $^{280-314}\text{116}$  isotopes  
K. P. Santhosh and **R. K. Biju**, Pramana J. Phys. **72** 689 (2009)
25. Alpha decay, cluster decay and spontaneous fission in  $^{294-326}\text{122}$  isotopes  
K. P. Santhosh and **R. K. Biju**, J. Phys. G: Nucl. Part. Phys. **36** 015107 (2009)
26. Exotic decay in proton-rich Nd isotopes.  
K. P. Santhosh, **R. K. Biju**, Sabina Sahadevan and Antony Joseph, Phys. Scr. **77** 065201 (2008)
27. A semi-empirical model for alpha and cluster radioactivity  
K. P. Santhosh, **R. K. Biju** and Antony Joseph, J. Phys. G: Nucl. Part. Phys. **35** 085102 (2008)
28. Cold valleys in the radioactive decay of  $^{248-254}\text{Cf}$  isotopes  
**R. K. Biju**, Sabina Sahadevan, K. P. Santhosh and Antony Joseph, Pramana J. Phys. **70** 617 (2008)

## Annexure V

### Proceeding of the National/International Symposia/Seminars:

1. Two proton radioactivity of 38, 39Ti, 40V and 42Cr isotopes  
NP Saeed Abdulla, **RK Biju**, DAE BRNS Symp. on Nucl. Phys. (Guwahathi, India) V66, 296 (2022)
2. Ternary Fission of 304120 isotope with 3H and 4He as light charge particle  
Ameya Pavithran, NPS Abdhulla, **RK Biju**, DAE BRNS Symp. on Nucl. Phys. (Guwahathi, India) V66, 434 (2022)
3. Possible combinations for the production of the isotopes of Z= 126 via cluster radioactivity  
Mithun Gopinath, S Mahadevan, **RK Biju**, DAE BRNS Symp. on Nucl. Phys. (Guwahathi, India) V66, 650 (2022)
4. Predictions of Heavy Cluster Emission from Z= 122, 123 and 124 Superheavy Elements  
P Deneshan, K Prathapan, **RK Biju**, DAE BRNS Symp. on Nucl. Phys. (Guwahathi, India) V66, 460 (2022)
5. Studies on Alpha Decay of Superheavy Elements with a Surface Area and Isospin Dependent Preformation Factor,  
K Prathapan, P Deneshan, **RK Biju**, DAE BRNS Symp. on Nucl. Phys. (Guwahathi, India) V66, 340 (2022)
6. Two Proton Decay of 19Mg, 22Si, 26S, 30Ar Isotopes  
N P Saeed Abdulla and **RK Biju**, 34<sup>th</sup> Kerala Science Congress 34 (34), 454-455 (2022)
7. Studies on the two-proton radio activity using the simplified form of effective liquid drop model  
N P Saeed Abdulla, **RK Biju**, DAE Symp. on Nucl. Phys 65, 363 (2021)
8. Study on the Emission of Neutron Rich Exotic Nuclei from Z= 122, 124 and 126 Even-Even Superheavy Nuclei.  
K Prathapan and **RK Biju**, DAE Symp. on Nucl. Phys 65, 154 (2021)
9. Nuclear Shell Structure Studies via cluster radioactivity in the SHE  
**R K Biju**, Proceedings of Nat. Seminar on on Prospects in Material Science at Vellalar College for Women Tamil Nadu, India, 1, pp 1-2 (2019)
10. Nuclear Decay Properties and its analysis in the Super heavy region  
**R K Biju**, Proceedings of the UGC Sponsored National Seminar on Advanced topics in Physics at Jamal Mohamed College, Trichi, Tamil Nadu, India, 1, 4 (2019)
11. Exotic decay possibilities of various proton halo nuclei in the Super heavy region,  
K P Anjali, K Prathapan and **R K Biju**, Proceedings of the National seminar on New horizons in theoretical and experimental physics (Govt. College, Koyilandi), Vol.1, pp 6-11 (2019) ISBN No:978-93-5391-753-1
12. Possibility for the existence of 2n halo isotopes via cluster decay of nuclei in super heavy region  
K Prathapan, KP Anjali, **RK Biju**, KP Santhosh, DAE Symp. on Nucl. Phys 64, 118 (2019)
13. Studies on the exotic decay possibilities of proton rich <sup>10</sup>C, <sup>13,14</sup>O from nuclides with Z in the range 103-118  
**R K Biju**, KP Anjali, K Prathapan, MKP Rajan, KP Santhosh, DAE Symp. on Nucl. Phys 64, 379 (2019)
14. Studies on the existence of 1p halo isotopes via cluster decay of nuclei in super heavy region

- KP Anjali, K Prathapan, **R K Biju**, KP Santhosh, DAE Symp. on Nucl. Phys 64, 56 (2019)
15. Modified form of Fiset and Nix Formula for beta decay half life  
M K Preethi Rajan, **R K Biju**, KP Santhosh, Proceedings of the National Seminar on Contemporary Trends in physics Kannur University, Kerala, Vol 1, 42 (2018)
  16. Possibility for the existence of various  $^{6-9}\text{B}$ ,  $^{16-19}\text{Ne}$ ,  $^{8-11}\text{C}$ ,  $^{23-30}\text{P}$  and  $^{26-32}\text{S}$  proton halo nuclei via cluster decay process,  
KP Anjali, K Prathapan, **R K Biju**, KP Santhosh, DAE international symposium on nuclear physics. V. 63 (2018)
  17. Existence of  $^{19-25}\text{F}$  Neutron halo isotopes against cluster decay in the superheavy region. K. Prathapan,  
**R.K. Biju** and K.P. Santhosh, 30<sup>th</sup> Kerala Science Congress (Thalassery, India) 320 (2018)
  18. Empirical formula for the most stable isobar against beta decay,  
M. K. Preethi Rajan, **R. K. Biju** and K. P. Santhosh, DAE BRNS Symp., on Nucl. Phys. (Patiala, India) **V62** 440 (2017)
  19. Possibility for the existence of  $^{16-22}\text{N}$  neutron halo isotopes via cluster decay,  
K. Prathapan, **R. K. Biju** and K. P. Santhosh, DAE BRNS Symp., on Nucl. Phys. (Patiala, India) **V62** 146 (2017)
  20. Studies on beta decay of isotopes in the heavy region,  
M. K. Preethi Rajan, **R. K. Biju** and K. P. Santhosh, DAE BRNS Symp., on Nucl. Phys. (Kolkatha, India) **V61** 476 (2016)
  21. Existence of neutron halo nuclei against cluster decay,  
**R. K. Biju**, M. K. Preethi Rajan and K. P. Santhosh, DAE BRNS Symp., on Nucl. Phys. (Andra Pradesh, India) **V61** 162 (2016)
  22. Existence of proton halo nuclei via cluster radioactivity,  
**R. K. Biju**, M. K. Preethi Rajan and K. P. Santhosh, DAE BRNS Symp., on Nucl. Phys. (Andra Pradesh, India) **V60** 152 (2015)
  23.  $^{298}114$ , next predicted doubly magic nuclei in the SHE  
**R. K. Biju**, M. K. Preethi Rajan and K. P. Santhosh, Int. Nat. Symp., on Nucl. Phys. (BARC, India) **V58** 126 (2014) ISBN 81-8372-070-6
  24. Empirical Formula for two neutrino double beta decay  
M. K. Preethi Rajan, **R. K. Biju** and K. P. Santhosh, DAE BRNS Symp., on Nucl. Phys. (Varanasi, India) **V59** (2014) ISBN 81-8372-076-5
  25. Alpha radioactivity of various Fm, No and Rf isotopes  
**R. K. Biju** and M. K. Preethi Rajan, UGC Sponsored National seminar on ETIC (Nemmara, India) 24 (2014) ISBN 978-81-89085-92-6
  26. Semi empirical Formula for neutrinoless double beta decay  
M. K. Preethi Rajan, **R. K. Biju** and K. P. Santhosh, Int. Nat. Symp., on Nucl. Phys. (BARC, India) **V58** 154 (2013) ISBN 81-8372-070-6
  27. Theoretical Studies on the Stability of Heavy and Super heavy elements against Cluster decay  
**R. K. Biju**, DAE BRNS Symp. on Nucl. Phys. (Andhra University., India) **V56** 1164 (2011)
  28. N=184 magacity through cluster decay systematic in SHE region  
**R K Biju**, M K Preethi Rajan and K. P. Santhosh, UGC Sponsored national seminar on EOSN (Mattanur, India) 167 (2011)
  29. Cluster radioactivity in  $^{210-226}\text{Ra}$  isotopes



- K. P. Santhosh, Sabina Sahadevan, B. Priyanka, M S Unnikrishnan, George Joseph Jayesh and **R K Biju**, DAE BRNS Symp. on Nucl. Phys. (Andhra University., India) **V56** 298 (2011)
30. Probability for cluster formation in the trans-tin and trans-lead nuclei  
**R. K. Biju**, Sabina Sahadevan and K. P. Santhosh, DAE BRNS Symp. on Nucl. Phys. (BITS Pilani, India) **V55** 156 (2010)
  31. Cluster Radioactivity in superheavy  $^{280-314}116$  isotopes  
K. P. Santhosh, **R. K. Biju**, Sabina Sahadevan and Antony Joseph, Nat. Symp. on Nucl. Phys. (Payyanur, India) 37 (2009)
  32. Cluster radioactivity of  $^{222}\text{Ra}$  isotope  
K. P. Santhosh, Ambily Thomas, Sabina Sahadevan, **R. K. Biju** and Antony Joseph, Nat. Symp. on Nucl. Phys. ( Payyanur, India) 33 (2009)
  33. Alpha and Cluster decay of Hg and Pb isotopes  
K. P. Santhosh, Sabina Sahadevan, **R. K. Biju** and Antony Joseph, Nat. Symp. on Nucl. Phys. (Payyanur, India) 59 (2009)
  34. Spontaneous fission versus alpha radioactivity in heavy and super heavy nuclei  
K. P. Santhosh, **R. K. Biju** and Sabina Sahadevan, Int. Nat. Symp., on Nucl. Phys. (BARC, India) **V54** 216 (2009)
  35. Shell closures in super heavy region next to  $Z=82, N=126$   
**R. K. Biju** and K. P. Santhosh, Int. Nat. Symp., on Nucl. Phys. (BARC, India) **V54** 198 (2009)
  36. Spontaneous fission in  $^{294-326}122$  isotopes  
K. P. Santhosh, **R. K. Biju** and Sabina Sahadevan, DAE BRNS Symp. on Nucl. Phys. (IIT Roorkee., India) **V53** 299 (2008)
  37. Alpha decay half lives of super heavy elements  
K. P. Santhosh, Sabina Sahadevan, **R. K. Biju** and Antony Joseph, DAE BRNS Symp. on Nucl. Phys. (IIT Roorkee., India) **V53** 295 (2008)
  38. Cold valleys in the radioactive decay of  $^{242}\text{Cm}$  isotope  
**R. K. Biju**, Sabina Sahadevan, K. P. Santhosh and Antony Joseph, DAE BRNS Symp. on Nucl. Phys. (Burla., India) **V52** 203 (2007)
  39. Cold valleys in the radioactive decay of  $^{248-254}\text{Cf}$  isotopes  
**R. K. Biju**, K. P. Santhosh and Antony Joseph, DAE BRNS Symp. on Nucl. Phys. (Baroda, India) **V51** 314 (2006)
  40. Possible cluster emission from the newly synthesized Super Heavy Elements  
Sabina Sahadevan, **R. K. Biju**, K. P. Santhosh and Antony Joseph, DAE BRNS Symp. on Nucl. Phys. (Baroda, India) **V51** 373 (2006)

## Annexure V

### Details of research guidance, projects and consultancy, if any (Ph.D/M.Phil /PG/UG students)

#### Ph.D. Awarded

Sl. No	Name of the Scholar	Title of the Thesis	Date of Award
1	Anjali K P	Nuclear Studies of various proton halo nuclei via cluster radioactivity	09.02.2022

#### Pursuing Ph D

Sl.No	Name of Student	Date of Registration and Registration No.	Full time/ Part time	Remarks
1	K Prathapan	Order Number No.RD A1/11907/R.Phy/2017 dt. 29.08.2018	Part time	Thesis Submitted
2	Saeed Abdulla N P	Order Number No.RD A1/1950/R.Phy/2021 dt. 17.03.2021	Full time	
3	Ameya Pavithran	Order Number RD/C1/3701/2021 dt.23.04.2022	Full time	
4	Deneshan P	Order Number RD/C1/3701/2021 dt.23.04.2022	Part time	

#### PG Project

Sl. No.	Name of the Student and College	Title of the Thesis	Year
1	Mithun Gopinath Reg. No. CB.SC.P2PHY0016 Amrutha Vishwa Vidhyapeetham Coimbatheore, TamilNadu	Possibilities for the production of the isotopes of Z=126 ( $^{308,310,312}126$ ) via cluster radioactivity	2022
2	M K Nitheesh Reg. No. B9PSPH1802 ITM College of Arts and Science Mayyil	Empirical analysis of Cluster Radioactivity in the Super Heavy Region	2021
3	Thushara A Reg. No. B4PSPH1211 Payyanur College, Payyanur	Possibility of Production of neutron halo nuclei from various Z=116 isotopes via cluster decay	2016
4	Aswathi K V Reg. No. B4PSPH1202 Payyanur College, Payyanur	Possibility of Production of neutron halo nuclei from various Z=118 isotopes via cluster decay	2016
5	Sneha Mohan P P Reg. No. B4PSPH1817 ITM College of Arts and Science, Mayyil	Possibility of Production of neutron halo nuclei from various Z=122 isotopes via cluster decay	2016

6	Keerthana P Reg. No. B4PSPH1813 ITM College of Arts and Science, Mayyil	Possibility of Production of neutron halo nuclei from various Z=120 isotopes via cluster decay	2016
7	Srijitha K Reg. No. B3PSPH1207 Payyanur College, Payyanur	Possibility of Production of neutron halo nuclei from various Z=112 & 114 isotopes against cluster decay	2015
8	Sruthi A E Reg. No. B3PSPH1208 Payyanur College, Payyanur	Possibility of Production of neutron halo nuclei from various Z=110 and 116 isotopes against cluster decay	2015
9	Aswathi T Reg. No. 1332C0132 Bharathiyar University, Coimbatheore	Possibility of Production of neutron halo nuclei from various fermium isotopes against cluster decay	2015
10	Anjali T Reg. No. 1332C0131 Bharathiyar University, Coimbatheore	Possibility of Production of neutron halo nuclei from various Californium isotopes against cluster decay	2015
11	Reshma K P Reg. No. B1PSPH1412 Taliparamba Arts and Science College, Kanhirangad	Next Proton and Neutron Magacity in the super heavy region	2013
12	Divya S MYAKMPH003 Mercy College, Palakkad	Alpha Decay studies on $^{248-264}\text{No}$ isotopes	2012
13	Padmaja P Natarajan Reg.No. VPAKMPH009 Govt. Victoria College, Palakkad	Alpha Decay studies on $^{242-260}\text{Fm}$ isotopes	2012
14	Basheer S Reg.No. VPAKMPH003 Govt. Victoria College, Palakkad	Alpha Decay studies on $^{254-268}\text{Rf}$ isotopes	2012
15	Hima K Reg. No. A9PSPH1102 Sree Narayana College, Kannur	Alpha Decay studies on $^{210-238}\text{Th}$ isotopes	2011