

CURRICULUM VITAE

Dr. Bhupali Sharma (M.Sc., B. Ed., Ph. D.)

Assistant Professor (Stage III), Department of Physics,

Arya Vidyapeeth College, Guwahati-16.

e-mail: bhupalisharma@gmail.com

Phone : 9859137480

DOJ at A. V. College, Guwahati : 24.04.2008

BASIS OF APPOINTMENT : M.Sc(Held in1999), Ph. D.(2006) WITH NET(2001).

Research Interest : Theoretical Nuclear Physics.

Educational Qualifications: (B.Sc. onwards)

B.Sc : In 1996 from Cotton College Guwahati, (Gauhati University) with **69.7 % and Distinction.**

M.Sc. : In 1998(Held in 1999) from Cotton College, Guwahati (Gauhati University) with **67.3 %.**

Specialization : Particle Physics.

B.Ed. : In 2000 from Gauhati University with **65%.**

NET : In 2001 (**UGC-CSIR**) (**LS**)

PH.D. : In 2006 From Jamia Millia Islamia, New Delhi.

Supervisor : Prof. Q. N. Usmani.

Topic : Quantum Monte Carlo Calculations of s-shell $\Lambda\Lambda$ hypernuclei.

Scholarships Won :

1. National Scholarship/State Merit Scholarship.

Other Qualifications :

1. B. Music.

Seminars/Conferences/Symposia/workshop attended:

1. XXXIV ISSC in the research committee(Physical and Chemical Sciences) at GU on 27th 31st Dec, 2010.
2. 57th Annual Technical Session of ASS at GU on 16th March, 2012.
3. National seminar on new frontiers in physics at GU on 11th May, 2012.
4. National Seminar on Frontiers in Science and Technology(58th Annual Technical Session of ASS) at GU on 8-9 March,2013
5. National conference on Theoretical Physics at TU on 8-12 Feb,2013
- 6.National Seminar on Recent Trends of Research in Science and Technology (59th Annual Technical Session of ASS) at Cotton College, Guwahati on 29th March 2014.
7. Training Course on “ Empowerment of Women” from 10th August, 2015 to 12th August, 2015 at Assam administrative Staff College, Guwahati.
8. “Inter-University Accelerator Centre(IUAC) Acquaintance Programme” at Department of Physics, Gauhati University on 16th November, 2015.
9. Training on “ Free and Open Source Software (FOSS) and Spoken Tutorial at Assam Don Bosco University on 2nd December, 2015.
10. North East Workshop on Design of Experiments at Arya Vidyapeeth College on 3-5 November, 2016.
11. Xth Biennial National Conference of Physics Academy of North East on “Recent Advances in Physics Research and its Relevance” at St. Anthony’s College, Shillong on 10th-12th November, 2016.
12. Workshop on “Space Technology Inputs for disaster Risk Reduction in North Eastern Region with Special Emphasis on Early Warning, Preparedness & Mitigation” at NEC, Shillong on 16-17 March, 2017.
13. National Seminar on “Socio-economic and Scientific Development in Northeast India: Problems and Prospects” at Arya Vidyapeeth College, Guwahati on 27-28th October, 2017.

Papers Presented :

1. “Variational Monte-Carlo study of ${}_{\Lambda\Lambda}^5H$ “ in XXXIV ISSC in the research committee (Physical and Chemical Sciences) at GU on 27th 31st Dec, 2010.
2. “Variational Monte-Carlo study of ${}_{\Lambda\Lambda}^4H$ “ in 57th Annual Technical Session of ASS at GU on 16th March, 2012.
3. “ Stability of ${}_{\Lambda\Lambda}^4H$ with Nijmegen soft-core potential” in National seminar on new frontiers in Physics at GU on 11th May, 2012
4. “Existence of light double lambda hypernuclei” in National Seminar on Frontiers in Science and Technology(58th Annual Technical Session of ASS) at GU on 8-9 March,2013.
5. “Search for stable ${}_{\Lambda\Lambda}^4H$ “ in National conference on Theoretical Physics at TU on 8-12 Feb,2013.
6. “Role of ΛN and ΛNN interaction parameters on light single lambda hypernuclei” at 59th Annual Technical Session of ASS at Cotton College, Guwahati on 29th March 2014.
7. “Variational study of light hypernuclei” in Xth Biennial Conference of Physics Academy of North East on “Recent Advances in Physics Research and its Relevance” at St. Anthony’s College, Shillong on 10th-12th November, 2016.
8. “ Effect of ΛN and ΛNN interaction parameters on stability of light single lambda hypernuclei” at National Seminar on “Socio-economic and Scientific Development in Northeast India: Problems and Prospects” at Arya Vidyapeeth College, Guwahati on 27-28th October, 2017.

Papers published :

(Journal publications)

1. “Six body variational Monte carlo study of ${}_{\Lambda\Lambda}^6He$ “ , Q.N. Usmani, A.R. Bodmer, Bhupali Sharma, **Phys. Rev. C 70, 061001(R)(2004)**.
2. “ Stability of ${}_{\Lambda\Lambda}^4H$ with Nijmegen soft-core potential”, Bhupali Sharma, **Horizon,-a Journal of Physics, Vol 2., 14-18, ISSN 2250-0871, (2012)**.
3. “ Variational Monte-Carlo study of ${}_{\Lambda\Lambda}^4H$ ”, Bhupali Sharma, **Chin. Phys. Lett., Vol 30, No 3, 032101 (2013)**

(Publication in conference proceedings)

4. “Variational study of light hypernuclei”, Bhupali Sharma, **Conference Proceedings of Xth Biennial Conference of Physics Academy of North East (ISBN NO 978-93-86256-85-0) (2017)**

Research Project

PROJECT TOPIC	AGENCY	AMOUNT	YEAR	STATUS
Role of ΛN and ΛNN interaction parameters on light single Λ hypernuclei (No. F 5-92/2011-12/MRP/NERO/0729)	UGC	1,35,000/-	2012	Completed in 2014.

Membership :

1. Life member of “Physics Academy of North-East”.
2. Life member of “Indian association of Physics Teachers”.

Refresher course/orientation programme/Short-term course:

1. Orientation programme at Gauhati University from 17.05.2010 to 13.06.2010.
2. Refresher course on “Environmental Studies and Geography” at Gauhati University from 23.01.2012 to 12.02.2012.
3. Short-term course on “Statistical Methods” at Arya Vidyapeeth College from 17.11.2014 to 22.11.2014.
4. Refresher course on “ Environmental Science” at Gauhati University from 8th December to 28th December, 2016.