

1. Details of the Teacher/ Academic:

Name & Date of Birth :	SUBHALAKSHMI LAMBA
Date of Joining in IGNOU:	18-01-2006
Current Designation :	Assistant Professor
Pay Scale as on date :	Rs. 101,200/-
Qualifications :	Ph. D (Physics) Jawaharlal Nehru University(1998) M.Sc (Physics) TIFR-Pune University Joint M.Sc Program (1989) B.Sc (Physics Hons.) St. Xaviers College, Kolkata (1986)

2. Honour/Award/Fellowship/membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic:

Name of the recipient,	Honour /Award/ Fellowship name	Agency name /Name of statutory body/ institution/ Apex body	Period
Subhalakshmi Lamba	Gold Medal for Best Research Paper, Awarded at IGNOU Convocation 2007.	IGNOU, Bank of India	2006

3. Books/BookChapter: NA

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN N

SNo.	Name of Author1/ Editor 1, & Co-author (s)/ Co-editor (s) (if any)	Title of chapter /book	Place of publication	Publisher	Year	Total Pages	ISBN No.

4. Research Articles/Publications: Details Provided in Appendix I

Research Articles in International Refereed Journals: 24

Research Articles in National Refereed Journals: 02

SNo.	Author/ Co-author (if	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No

(Duly authenticated by the Director/ Head of School/ Division/ Unit/Centre / Cell)

	any)						

5. Policy Documents Reports/ Mimeos: NA

SNo.	Title	Institution/ Agency	Year

6. Book Review published : NA

SNo.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No

7. Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops(Please do not mention if it is only participation without presentation) NA

SNo.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year

8. Study Tour Organised/ Participated/Attachment Organized/Internship: NA

SNo.	Details of the tour	Name of coordinating body	Duration

9. Consultancy assignment (if any): NA

SNo.	Organization/ agency	Cost, title of consultancy	Duration

10. Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing): As CO-PI

SNo.	Agency	Amount	Duration with dates	Status i.e. ongoing/ completed
1.	IUAC	2,00,000	2014-2017	Completed

11. Details of PhD and MPhil Scholars (including those awarded degree):

SNo.	Name and enrolment no:	Year of registration	Year of completion/ award
1.	RAJAN GOYAL (Enrolled at University of Delhi)	2013	2018

12. Details of Programmes/ Courses coordinated/written/ edited/ translated:

S. No.	Program me	Course	Unit (print)/ Audio/ Video/ eSLM	Coordinated/Written/ Edited (content/ language/ format)/ Translated	Period
PROGRAM COORDINATION					
1.	Doctoral Program in Physics			Program Coordinator	2012 till date
COURSE COORDINATION					
2.	Pre-Ph.D Course Work	Computational Techniques		Joint Course Coordinator	2017 till date
3.	Pre-Ph.D Course Work	Nanotechnology		Joint Course Coordinator	2017 till date
4.	Pre-Ph.D Course Work	Material Science		Joint Course Coordinator	2017 till date
5.	Pre-Ph.D Course Work	Condensed Matter Physics		Joint Course Coordinator	2017 till date
6.	B. Sc	BPHE-101 Elementary Mechanics		Joint Course Coordinator	2013 Till Date
7.	B. Sc	BPHE-104 Mathematical Methods in Physics-I		Course Coordinator	2013 Till Date
8.	B. Sc	PHE-05 Mathematical Methods in Physics-II		Course Coordinator	2016 Till Date

9.	B. Sc	PHE-11 Modern Physics		Joint Course Coordinator	2018 Till Date
10.	B. Sc	PHE-13 Physics of Solids		Course Coordinator	2010 Till Date
11.	B. Sc	PHE-14 Mathematical Methods in Physics-III		Joint Course Coordinator	2018 Till Date
12.	B. Sc- CBCS	Mechanics		Joint Course Coordinator	2018 Till Date
UNIT WRITING					
13.	BPHE- 101	Elementary Mechanics	15(E) Units	Writing and Artwork	2006- 2011
14.	BPHE- 104	Mathematical Methods in Physics-I	8(E) Units	Writing and Artwork Translation(One Unit)	2011- 2017
15.	BPHCT- 131	Mechanics	13(E) Units	Writing and Artwork	2015- 2019
Video Programs					
16.	PHE-13	Physics of Solids	Introductio n to Crystal Structure	Content Editing	2007
17.	PHE-11	Modern Physics	Wave Particle Duality	Content Editing	2007
18.	PHE-11	Modern Physics	Matter Waves and the Uncertainty Principle	Content Editing	2007
19.	B.Sc	General Physics	Journey to the Discovery of Blue	Content Editing	2014
20.	PHE-11	Modern Physics	The Quantum World	Content Editing	2015
21.	B.Sc	General Physics	Sound of Gravity- I	Content Editing	2016
22.	B.Sc	General Physics	Sound of Gravity- II	Content Editing	2016

- Courses/ Units written, translated and period
- Audio programmes (title, Course, period)
- Video programmes(title and Course, period)

13. Training programmes designed and conducted, duration and dates: NA

SNo.	Programme	Dates	Place	Number of Participants

14. Details of Counselling sessions conducted:

S No.	Programme	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling Teleconferencing Web conferencing Any Other)
1.	B.Sc	BPHE-104/PHE-04 Mathematical Methods in Physics-I	New Delhi	2007-2014	12 sessions of 45 minutes each	Teleconference
2.	B.Sc	PHE-05 Mathematical Methods in Physics-I	New Delhi	2007-2014	12 sessions of 45 minutes each	Teleconference
3.	B. Sc	PHE-13 Physics of Solids	New Delhi	2007-2014	8 sessions of 45 minutes each	Teleconference
4.	B. Sc	BPHE-101/PHE-01 Elementary Mechanics	New Delhi	2007-2014	2 sessions of 45 minutes each	Teleconference
5.	B. Sc	PHE-11 Modern Physics	New Delhi	2007-2014	1 session of 45 minutes	Teleconference
6.	B.Sc	General Physics	New Delhi	2017-2019	6 sessions of 50 minutes	Radio Counselling

15. Details of Patents granted (if any):NA

(Duly authenticated by the Director/ Head of School/ Division/ Unit/Centre / Cell)**16. Contribution to IGNOU's corporate life:**

SNo.	Chairperson/ Member of Committee	Name of the Committee	Date/ period
1.	Member	University Print Committee	2013-2014

17. Administrative position/s held in the University (even as in charge): NA

SNo.	Designation	Period

18. Any other contribution/information**Signature of Teacher /Academic****Signature of Director/ Head**

APPENDIX I

S. No	Authors	Title	Name of Journal	Volume	Page	Year	ISSN No.
1.	R. Goyal , R. Gupta , A. Negi , K. Asokan , D. Kanjilal , S. Lamba , S. Annapoorni	Modelling of pinning-depinning reversal mechanism in ion-irradiated Co/Al₂O₃ thin films.	<i>Physica Status Solidi (A)</i>	215	180014 1	2018	1862-6300
2.	R. Goyal , N. Arora, A. Kapoor , S. Lamba , S. Annapoorni	Exchange hardening in FePt/Fe ₃ Pt dual exchange spring magnet: Monte Carlo modeling.	<i>Journal of Alloys and Compounds</i>	695	1014 - 1019	2017	0925-8388
3.	R. Goyal , A. Kapoor , S. Lamba , S. Annapoorni	Origin of open recoil curves in L1 ₀ -Al FePt exchange coupled nanocomposite thin film.	<i>Journal of Magnetism and Magnetic Materials</i>	418	200- 205	2016	0304-8853
4.	R. Goyal , S. Lamba , S. Annapoorni	Growth of cobalt nanoparticles in Co-Al ₂ O ₃ thin films deposited by RF sputtering.	<i>Physica Status Solidi (A)</i>	213	1309- 1316	2016	1862-6300
5.	R. Goyal , N. Sehdev, S. Lamba , S. Annapoorni	Nucleation controlled magnetization reversal mechanism in oriented L1 ₀ FeCoPt ternary alloys.	<i>Solid State Communications</i>	226	44-50	2016	0038-1098
6.	R. Medwal, N. Sehdev, S. Lamba , A. Banerjee, S. Annapoorni	Room temperature coercivity and interaction effects in L1 ₀ FePt nanoparticles.	<i>Journal of Physics D: Applied Physics</i>	47	355002	2014	0022-3727
7.	S. Gokhale, S. Lamba , N. Kumari, B. Singh, D. K. Awasthi, S.K.Kulkarni	Modifying the morphology and magnetic properties of magnetite nanoparticles using swift heavy ion irradiation.	<i>Nuclear Instruments and Methods in Physics Research B</i>	333	64-68	2014	0168-9002
8.	R. Malik, N. Sehdev, S. Lamba , P.	Magnetic memory effects in nickel ferrite/polymer nanocomposites.	<i>Applied Physics Letters</i>	104	122407	2014	0003-6951

	Sharma, A. Makhino, S. Annapoorni						
9.	R. Malik, S. Annapoorni, S. Lamba , S. Mahmood, S. Rawat	Dispersion of laser droplets using H ⁺ ions and annealing effect on pulsed laser deposited nickel ferrite thin films.	<i>Applied Physics A-Materials Science and Processing,</i>	105	233-238	2011	0947-8396
10.	R.Malik, S. Annapoorni, S. Lamba, V. R. Reddy, A. Gupta, P. Sharma, A. Inoue	Mössbauer and magnetic studies in nickel ferrite nanoparticles: Effect of size distribution.	<i>Journal of Magnetism and Magnetic Materials</i>	322	3742-3747	2010	0304-8853
11.	R. Malik, S. Lamba , R. K. Kotnala, S. Annapoorni	Role of anisotropy and interactions in magnetic nanoparticle systems.	<i>European Physical Journal B</i>	74	75-80	2010	1434-6028
12.	Rakesh Malik , S. Annapoorni, S. Lamba , P. Sharma , A. Inoue	Competing Magnetic Interactions in Nickel Ferrite Nanoparticle clusters: Role of Particle Size.	<i>Journal of Applied Physics</i>	104	064317	2008	0021-8979
13.	R. Sharma, R. Malik, S. Lamba , S. Annapoorni	Metal oxide/ PANI nanocomposites: cluster size and composition dependent structural and magnetic properties.	<i>Bulletin of Material Science</i>	31	409-413	2008	0304-4289
14.	A. Alqudami, S Annapoorni, S. Lamba , R K Kotnala, PC. Kothari	Magnetic properties of iron nanoparticles prepared by exploding wire technique.	<i>Journal of Nanoscience and Nanotechnology</i>	7	1898-1903	2007	1533-4880
15.	K. P. Singh, S. Lamba , S. K. Joshi, Sushil Lamba	Role of defects in transport through a quantum dot SET.	<i>Journal of Applied Physics</i>	99	124503	2006	0021-8979

16.	R. Sharma, S. Lamba , Komilla Suri, R. P. Tandon , B. V. Kumaraswami , S. Annapoorni.	Magnetic relaxation studies in organic-inorganic nano clusters.	<i>Journal of Applied Physics</i>	99	024311	2006	0021-8979
17.	R. Sharma, C. Pratima, S. Lamba ,_S. Annapoorni	Interaction effects in magnetic nanoparticle systems	<i>Pramana - Journal of Physics</i>	65	739-743	2005	0304-4289
18.	S. Lamba	Reply to comment on"Dipolar interaction energy for a system of magnetic nanoparticles"	<i>Physica Status Solidi B</i>	24	2958-2959	2005	0370-1972
19.	R. Sharma, S. Lamba , S. Annapoorni	Magnetic properties of polypyrrole coated iron - oxide nanoparticles	<i>Journal of Physics D</i>	38	3354-3359	2005	0022-3727
20	R. Sharma, S. Lamba , S. Annapoorni, P. Sharma , A. Inoue	Composition dependent magnetic properties of iron-oxide - polyaniline nanoclusters	<i>Journal of Applied Physics</i>	97	014311	2005	0021-8979
21.	S. Lamba	Dipolar interaction energy for a system of magnetic nanoparticles	<i>Physica Status Solidi B</i>	241	3022-3028	2005	0370-1972
22.	S. Lamba , S. Annapoorni	Single domain magnetic arrays : Role of disorder and interactions	<i>European Physical Journal B</i>	39	19-25	2004	1434-6028
23	S. Lamba , S. K. Joshi	Temperature dependent photoluminescence in self assembles In - As quantum dot arrays	<i>Physica Status Solidi B</i>	239	353-360	2003	0370-1972
24.	S. Lamba , Deepak Kumar	Dilectric properties of the Coulomb gas	<i>Physical Review B</i>	59	4766	1999	2469-9950
25.	S. Lamba , Deepak Kumar	Variable range hopping : Role of Coulomb interactions.	<i>Physical Review B</i>	59	4752	1999	2469-9950
26.	S. Lamba , Ashok K Rastogi, Deepak Kumar	Ferromagnetism of Anderson localized electrons: Application to cluster compounds	<i>Physical Review B</i>	56	3251	1997	2469-9950