


CURRICULUM VITAE

Designation	First Name	Last Name	Photograph	
Professor	SUBHASH CHANDRA	NAITHANI		
Date of Birth	Fourth October Nineteen Fifty five (04-10-1955)			
Postal Address:				
Office	School of Studies in Life Sciences, Pt. Ravishankar Shukla University Raipur - 492 010 (Chhattisgarh) INDIA			
Residence	D-2, Vinayka Vihar, Raipur - 492 010, (Chhattisgarh) INDIA			
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Email	naithani_sc@yahoo.co.in			
Educational Qualifications	B.Sc. 1975 Indore University	M.Sc. 1977 Indore University	Ph.D. 1983 Saurashtra University	
Academic Experience	Teaching 29 years		Research 33 years	
Specialization	Broad Area		Specific Area	
	Botany/Biochemistry/ Molecular Biology Plant Biochemistry/ Plant Biotechnology		Molecular Oxidative Stress Seed Biology Conservation Biotechnology of Forest Germplasm Cryogenic Storage Biotechnology	
Web-Page				
Official	http://prsu.academia.edu/SubhashChandraNaithani/Books/new			
Google Scholar	http://scholar.google.co.in/scholar?start=0&q=s+c+naithani&hl=en&as_sdt=0,5			
Publications [Statistics]		Total Citation	h-index	i10 index
		522	13	17
		Highest Impact Factor Paper	Impact factor	Publication details
		Role of superoxide, lipid peroxidationviability in sal (<i>Shorea robusta</i>) seeds.	7.21	New Phytologist 1994 126: 623-627
Published Papers/Chapters Books/ News Letters	Number of Papers		Citation Total	
	Foreign Journals	25	401	
	Indian Journals	16	42	
	Books	03	06	
	News Letters	06	00	
	Abstract [Conferences]	25	00	
Research projects [Statistics] All as principal investigator		Indian	Foreign	
		10 <i>Funded by:</i> MPCOST, DST, DBT, CSIR and UGC	01 <i>Funded Jointly by:</i> IPGRI, Italy and DFSC, Denmark	

Career Profile			
Organization	Designation	Duration	Role
Govt. College, Belha [M.P. Govt.]	Lecturer	1986-90	Teaching
Pt. Ravishankar Shukla University	Lecturer	1990-1998	Teaching & Research
Pt. Ravishankar Shukla University	Senior Lecturer	1998-1998	Teaching & Research
Pt. Ravishankar Shukla University	Reader	1998-2006	Teaching & Research
Pt. Ravishankar Shukla University	Professor	2006-Cont.	Teaching & Research

Administrative Assignments: [In chronological order]	
Position	Year/Duration
Warden -Guest House	1990-1993
Member- Flying Squad-Examination	1990-1993
Assistant Superintendent- Central Valuation	1991-1994
Assistant Superintendent- Annual Examination	1994-1996
Coordinator- Refresher Course	2010
Chairman- Board of Biochemistry	2011-13
Superintendent- Center Basic Sciences-EST	2015
Dean- Life Sciences	2014 -2016
Member- Executive Council	2014-2016
Superintendent- Center Basic Sciences-EST	2016
Chairman, Board of Studies of Biochemistry	2016-2019

Visit to Foreign Institute:			
S.No.	Periods	Institute Name	Sponsoring Agency
1	August 4- September 28, 1989	Prof. Louis Zsuffa Institute of Forestry Toronto University, Canada	NERC, Canada & IUFRO, Austria
2	April 2-April 21, 2001	Dr. A Kowitz ASEAN Tree Seed Centre Muak Leak, Bangkok	IPGRI, Italy & ISTA, Switzerland
3	June 9- September 8 , 2002	Prof. Georg von Wuehlisch Institute of Forest Genetics and Forest Tree Breeding Grobhansdorf, Germany	INSA, Fellow India
4	September 9-25, 2002	Attending IUFRO Conf. and IPGRI Annual meet, Maich University, Crete, Greece	IPGRI, Italy
5	September 27- October 26, 2002	Prof. Daniel Come Workshop on Seeds Priming Technology, Marie Curie Univ. Paris, France	IFCEPAR, France
6	March 21-April 28, 2003	Prof. Andreas Graner IPK, Gartlesleben, Germany	IPGRI, Italy
7	April 15-July 25, 2004	Prof. Hugh Pritchard Royal Botanic Gardens, Kew, UK	Commonwealth UK Fellow

Research Projects [As Principal Investigator]					
S.No.	Funding Agency	Duration	Project Title	Funding [Rs]	Status
1	MPCST, Bhopal	1991-94	Control of loss of viability of sal seeds.	1,23,000	Completed
2	DST, Delhi	1994-97	Physiology & Biochemistry of senescence & necrosis in sal seedlings.	12,34,500	Completed
3	UGC, Delhi	1995-98	Aging in neem seeds.	8,12,650	Completed
4	CSIR, Delhi	1998-2001	Lipid peroxidation associated membrane perturbation during loss of viability in sal seeds.	7,21,300	Completed
5	DFSC, Denmark & IPGRI, Rome	2000-03	Handling and Storage of Recalcitrant tree species. <i>INTERNATIONAL PROJECT</i>	US\$ 15,530	Completed
6	MoEF, Delhi	2001-04	Seed Technology of Forest trees: Post Harvest Handling & Ex-situ Storage	23,41,670	Completed
7	DST, Delhi	2006-09	AOS Signalling in Regulation of Defense Enzymes During Germination of Neem [<i>Azadirachta indica</i>] Seeds	32,46,450	Completed
8	DBT, Delhi	2006-09	Conservation of Endangered Plants Through Cryogenic Storage Biotechnology	23,45,350	Completed
9	UGC, Delhi	2007-10	Vitrification-based cryopreservation protocols and techniques for some non-orthodox seeds of woody plants showing oxidative stress induced injury	6,70,300	Completed
10	DST, Delhi	2012-15	AOS and its Induced Changes in Antioxidant Enzymes, Protein Oxidation and p53/p21 during Ageing in Neem (<i>Azadirachta indica</i>) Seeds	23,68,560	Completed
11	UGC, Delhi	2012-15	Oxidative Damage of Lipid, Protein, DNA & Telomere in Ageing Seeds of Chironji [<i>Buchanania lanzan</i>] During Storage	9,79,300	Completed

Research Publications: Publications : Books [Author/Editor]						
S. No.	Year	Authors Name	Title of Paper	Publisher	Cita. index	ISBN No.
1	2010	KK Sahu, T. Sukhdev & SC Naithani	Antioxidant of Healing Herbs: <i>Withania</i> and <i>Rauwolfia</i>	LAP, Lambert Academic Publishing, Saarbrucken, Germany,	Nil	ISBN-978-3-8383-1366-5
2	2010	KK Sahu, D. Biswas & SC Naithani	Aluminium Stress on Germinating Seeds of <i>Cicer arietinum</i> .	LAP, Lambert Academic Publishing, Saarbrucken, Germany,	Nil	ISBN-978-3-8383-9974-4
3	1999	DGW Edwards & SC Naithani	Seed & Nursery Technology OF Forest Trees	New Age International, Delhi	06	ISBN-81-224-1206-8

Research Publications : Indian Journal							
S.No.	Year	Authors Name	Title of Paper	Journal	Cita. index Google	IF	SCI No.
03	2010	S. Keshavkant & S C NAITHANI	Chilling induced superoxide production, lipid peroxidation and leakage loss in <i>Shorea robusta</i> seedlings	Indian J. Plant Physiology, 15:191-196	Nil	NA	NA
			NAAS	S.No. 764		4.0	I069
06	2008	S. Keshavkant, T. Sukhdev, Ch. Srinivas & S C NAITHANI	Antioxidant activities, phenols and flavonoid contents of <i>Withania somnifera</i> and <i>Rauwolfia serpentine</i>	Indian J. Plant Physiology, 13:1394-399	Nil	NA	NA
			NAAS	S.No. 764		4.0	I069
08	2008	S. Sharma, R. Naithani, B. Varghese, S. Keshavkant & S C NAITHANI	Effect of hot-water treatment on seed germination of some fast growing tropical tree species.	J. Tropical Forestry 24 [3-4] : 49-53	Nil	NA	NA
			NAAS	S.No. 1155		3.0	J302
09	2007	Sahu K and S C NAITHANI	Changes in phenol, PAL and PPO in response to chilling in <i>Shorea robusta</i> seedlings.	Indian J. Plant Physiology, 12:146-152	Nil	NA	NA
			NAAS	S.No. 764		4.0	I069
10	2007	Gupta S., Pandey-Rai Shashi, Srivastav,S., S C NAITHANI , Prasad Manoj and Kumar Sushil	Construction of genetic linkage map of the medicinal and ornamental plant <i>Catharanthus roseus</i>	J. Genetics, 88: 257-266	31	0.89	3323
			NAAS	S.No. 1005		7.6	J151
11	2007	Sahu K and S C NAITHANI	Changes in sugar metabolism in response to chilling in <i>Shorea robusta</i> seedlings.	Int. J. Plant Sciences, 2 [1]:161-168	Nil	NA	NA
12	2006	R. Naithani, Boby Varghese, K.K. Sahu, M.E. Dullo, S C NAITHANI	Post harvest storage physiology of <i>Gmelina arborea</i> Roxb. seeds.	Indian J. Plant Physiology 11:20-27	NA	NA	NA
			NAAS	S.No. 764		4.0	I069

13	2005	S C NAITHANI , & K.K. Sahu	Low-temperature induced alteration in growth pattern and mortality in young sal { <i>Shorea robusta</i> } seedlings.	J. Tree Science 24 [2]: 69-78	NA	NA	NA
			NAAS	S.No. 1151		1.0	J298
14	2001	K S K Chaitanya, Bobby Varghese & S C NAITHANI	Changes in nucleic acid content and RNase activity in sal [<i>Shorea robusta</i> Gaertn. f.] seeds.	Ind. J. Plant Physiology, 6: 335-341	NA	NA	NA
			NAAS	S.No. 764		4.0	I069
15	2000	Ranjana Naithani & S C NAITHANI	Ascorbic acid metabolism in ageing recalcitrant Sal [<i>Shorea robusta</i>] seeds.	Indian Journal Experimental Biology 38: 1031-1035	11	NA	NA
			NAAS	S.No. 742		3.0	I047
16	1996	K.S.K.Chaitanya & S.C. NAITHANI	Biomass and leaf area relationships in the fast growing tropical tree species of <i>Albizia lebbek</i> & <i>A..procerra</i> .	J. Tropical Forestry 12: 113-118	NA	NA	NA
			NAAS	S.No. 1155		3.0	J302

Research Publications : Foreign Journal							
S.No.	Year	Authors Name	Title of Paper	Journal	Citation index Google	IF	SCI No.
01	2016	Vibhuti Chandrakar, S. C. Naithani and S. Keshavkant	Arsenic-Induced Metabolic Disturbances and their Settlement Mechanisms in Crop Plants: A Review	Biologia 71:367–377, ISSN (Online) 1336-9563, ISSN (Print) 0006-3088	Nil	0.98	
01	2015 Wiley Online Library	Suruchi Parkhey, SC Naithani and S Keshavkant	Efficient extraction of proteins from recalcitrant plant tissue for subsequent analysis by two-dimensional gel electrophoresis	Journal of Separation Science 38: 3622–3628	Nil	2.74	
02	2014	Suruchi Parkhey, SC Naithani and S Keshavkant	Protein metabolism during natural ageing in desiccating recalcitrant seeds of <i>Shorea robusta</i>	Acta Physiol. Plant. 36:1649–1659	06	1.34	103

03	2012 Elsevier France	Suruchi Parkhey, SC Naithani and S Keshavkant	ROS production and lipid catabolism in desiccating <i>Shorea robusta</i> seeds during ageing	Plant Physiol. & Biochemistry 57: 261-267	19	2.83	4940
04	2012 Russia	S. Keshavkant, J. Pradhan, S. Parkhey S.C. Naithani	Physiological and antioxidant responses of germinating <i>Cicer arietinum</i> seeds to salt stress.	Russian Journal Plant Physiol. , 59:206–211	12	0.56	5897
05	2010	Srinivasarao Ch., A. Soni, ME Dulloo and S.C. Naithani	Overcoming Physiological Dormancy in <i>Ceropegia odorata</i> Seeds, a Endangered Rare Species with GA ₃ , H ₂ O ₂ and KNO ₃	Seed Science & Technology 38 [2]: 341-347	Nil	0.66	5407
			NAAS	S.No. 1462	Nil	7.5	S013
06	2009	Srinivasa Rao Ch., V. Pandey Soni, A. & S.C. Naithani	<i>Ex-situ</i> seed storage behavior of <i>Dipcadi saxorum</i> Blatter, an endangered species from India	J. New Seeds 10: 282–292	Nil	0.22	4011
07	2008	Varghese B. & SC NAITHANI	Oxidative metabolism related changes in cryogenically stored neem [<i>Azadirachta indica</i> A. Juss] seeds.	J. Plant Physiology 165 [7]: 755-765	29	2.68	3671
			NAAS	S.No. 1106		8.3	J253
08	2007	Boby Varghese & SC NAITHANI	An assessment of intermediate storage behaviour in neem (<i>Azadirachta indica</i> A. Juss) Seeds.	South African Journal Botany 73 [3]: 497-499	NA	0.39	0254-6299
			NAAS	S.No. 1477		7.7	S028
09	2004	Boby Varghese, Georg von Wuehlisch & SC NAITHANI	Effect of Differential Rates of Drying on Viability and Storability in Recalcitrant Sal (<i>Shorea robusta</i> C.F. Gaertn) International Collaboration: IFGTB, Grossandorf, Germany	Seed Technology , 6 : 51-64	02	NA	NA
			NAAS	S.No. 1458		7.1	S009
10	2002	Bobby Varghese & S C NAITHANI	Desiccation-induced changes in lipid peroxidation, superoxide & antioxidant enzymes in Neem [<i>A. indica</i>] seeds.	Acta Physiologia Plantarum 24: 79-87	18	1.34	103
			NAAS	S.No. 20		7.6	A020
11	2002	Boby Varghese, M.E. Dullo & SC NAITHANI	Seeds storage behaviour in <i>Madhuca indica</i> .	Seed Science Technology 30: 107-117	09	0.66	5407

			NAAS	S.No. 1462		7.5	S013
12	2001	S. Keshav Kant & S C NAITHANI	Chilling–induce oxidative stress in young sal [<i>Shorea robusta</i>] seedlings.	Acta Physiologia Plantarum, 23: 457-466	12	1.34	103
			NAAS	S.No. 20		7.6	A020
13	2000	Boby Varghese & S C NAITHANI	Desiccation induced loss of viability during storage in Neem [<i>Azadirachta indica</i>] seeds.	Seed Science Technology, 28: 485-96	10	0.66	5407
			NAAS	S.No. 1462		7.5	S013
14	2000	KSK Chaitanya & S. Keshvkant S C NAITHANI	Changes in total protein and protease activity in dehydrating sal [<i>Shorea robusra</i>] seeds	Silva Fennica 34:71-77	18	0.50	NA
15	2000	Ranjana Naithani & S C NAITHANI	Ascorbic acid metabolism in ageing recalcitrant Sal [<i>Shorea robusta</i>] seeds.	Indian Journal Experimental Biology 38: 1031-1035	08	NA	NA
			NAAS	S.No. 742		3.0	I047
16	1998	KSK Chaitanya & S C NAITHANI	Kinetin -mediated prolongation of viability in recalcitrant Sal (<i>Shorea robusta</i>) seeds at low temperature: Role of kinetin in delaying membrane deterioration during desiccation induced injury.	J. Plant Growth Regulation 17: 63 – 69	27	2.43	3667
			NAAS	S.No. 1103		8.6	J250
17	1996	K.S.K.Chaitanya & S.C. NAITHANI	Biomass and leaf area relationships in the fast growing tropical tree species of <i>Albizia lebbek</i> & <i>A..procerra</i> .	J. Tropical Forestry 12: 113-118	NA	NA	NA
			NAAS	S.No. 1155		3.0	J302
18	1994	K.S.K.Chaitanya & S.C. NAITHANI	Role of superoxide, lipid peroxidation & superoxide dismutase in membrane perturbations during loss of viability in sal (<i>Shorea robusta</i>) seeds.	New Phytologist 126: 623-627	129	7.21	4544
			NAAS	S.No. 1281		10	N022
19	1987	S.C. NAITHANI	The role of IAA-oxidase, peroxidase and in the fibre initiation on the cotton ovule.	Beitrag Biol. Pflanzen 62: 79-90	03	NA	NA

20	1983	S.C. NAITHANI , N.R. Rao , PN. Krishnan & Y.D.Singh	Role of K ⁺ in Kinetin induced peroxidase in isolated cucumber cotyledons.	Beitrage Biol. Pflanzen 57: 2-8	NA	NA	NA
21	1982	S.C. NAITHANI & Y.D.Singh	Physiological and biochemical changes associated with cotton fibre development. II. Auxin oxidizing system.	Physiologia Plantarum , 55: 204-208	16	2.71	4899
				NAAS	S.No. 1344		8.6
22	1982	S.C. NAITHANI , N.R.Rao & Y.D.Singh	Physiological and biochemical changes associated with cotton fibre development. I. Growth kinetics and auxin content.	Physiologia Plantarum , 54: 25-29	50	2.71	4899
				NAAS	S.No. 1344		8.6
23	1982	N.R.Rao, S.C. NAITHANI , R.Jasdanwala & Y.D.Singh	Changes in IAA - oxidase and Peroxidase activities during fibre development.	Z. Pflanzen Physiologie 106: 157-165	14	1.19	NA
				NAAS	S.No. 1106		8.3
24	1981	S.C. NAITHANI , N.R.Rao, N.Krishnan & Y.D.Singh	Changes in o-Diphenol oxidase during fibre development in cotton.	Annals Botany 48: 379-385	18	3.50	436
				NAAS	S.No. 17		8.8
25	1981	S.C. NAITHANI , P.Krishnan, & .Singh	Interference of K ⁺ with the cytokinin bioassay in cotyledon expansion.	Beit. Biol. Pflanz. 55: 189-194	NA	NA	NA
26	1980	N.R.Rao, S.C. NAITHANI & Y.D.Singh	Esterase Ontogeny in Cotton Fibre.	Biol. Plantarum 22: 410-413	01	0.44	818
				NAAS	S.No. 247		8.1

Research Publications : News Letters				
S.No.	Year	Author Name [s]	Title of Paper	DFSC News Letter
1	2001	Boby Varghese & SC NAITHANI	Desiccation stress in Neem seeds [<i>Azadirachta indica</i> A. Juss]: Some physiological & biochemical considerations.	No. 8: The Project on Handling & Storage of Recalcitrant and Intermediate Tropical Forest Tree Seeds, Humlebaek, Denmark, p.16-19
2	2001	SC NAITHANI	<i>Buchanania lanzan</i> : Desiccation and Storage trial	News Letter No. 8 The Project on Handling & Storage of Recalcitrant and Intermediate Tropical Forest Tree Seeds, Humlebaek, Denmark, p.5.
3	2001	SC NAITHANI	<i>Madhuca indica</i> Desiccation and Storage trial	News Letter No. 8 of The Project on Handling & Storage of Recalcitrant and Intermediate Tropical Forest Tree Seeds, Humlebaek, Denmark, pp. 8-9.
4	2001	SC NAITHANI	<i>Madhuca indica</i> Desiccation and Storage trial	News Letter No. 9 of The Project on Handling & Storage of Recalcitrant and Intermediate Tropical Forest Tree Seeds, Humlebaek, Denmark, pp.15-16.

5	2001	S C NAITHANI	<i>Diospyros melanoxylon</i> Desiccation and Storage trial	News Letter No. 9 of The Project on Handling & Storage of Recalcitrant and Intermediate Tropical Forest Tree Seeds, Humblebaek, Denmark, p.13.
6	2001	S C NAITHANI	<i>Gmelina arborea</i> Desiccation and Storage trial	News Letter No. 9 of The Project on Handling & Storage of Recalcitrant and Intermediate Tropical Forest Tree Seeds, Humblebaek, Denmark, pp.13–14.

Research Publications : Book Chapter							
S. No	Year	Authors Name	Title of Paper	Journal	Citation index Google	IF	SCI No.
1	2004	NAITHANI, S C, Naithani Ranjana, B. Varghese, J K Godheja and KK Sahu	Conservation of four tropical forest tree seeds from India <i>International Collaboration: DFSC, Denmark & IPGRI, Rome</i>	Comparative storage biology of tropical tree seeds, [Eds. Sacande, M., Joker, D., Dulloo, M.E. & Thomsen, K.A.] IPGRI, Rome Italy, pp 174-191	02	NA	Book
2	1999	S. Keshavkant & S C NAITHANI	Chilling-induced Dieback in <i>Sal</i> [<i>Shorea robusta</i> <i>Gaertn. f.</i>] seedlings.	Seed & Nursery Tech. of Forest Trees [Editors. DGW Edwards & SC Naithani], New Age International, Delhi, 261-272	03	NA	Book Chapter
3	1999	KSK Chaitanya & S C NAITHANI	Kinetin induced delay in loss of viability in <i>Sal</i> [<i>Shorea robusta Gaertn.</i> <i>f.</i>] seeds.	Seed & Nursery Tech of Forest Trees [Editors. DGW Edwards & SC Naithani], New Age International, Delhi, 53-164	Nil	NA	Book Chapter
4	1999	Boby Varghese & S C NAITHANI	Evaluation of cryostorage of <i>Neem</i> [<i>Azadirachta indica A.</i> <i>Juss</i>] seeds. Viability and vigour.	Seed & Nursery Tech of Forest Trees [Editors. DGW Edwards & SC Naithani], New Age Intern., Delhi, 95-106	Nil	NA	Book Chapter

Research Publications : Abstract in Conference and Seminars/ Conference/ Symposium/Workshops etc. Attended :			
S.No.	Author Name [s]	Title of Paper	Place & Year
1	Plant Sciences INTERNATIONAL	Botanical Soc. America & Canadian Botan. Assoc.	Toronto, Canada 4-10 Aug. 1989
2	Ex-situ conservation of woody germplasm INTERNATIONAL	Forestry Deptt. Toronto University	Toronto, Canada 11-30 Aug. 1989

3	Radiochemistry & application of radiochemistry NATIONAL	IANCAS & Pt.RSU	Pt. RSU, Raipur 16-23 Feb. 1991
4	Plant physiology India & SARC , NATIONAL	Assoc. Plant Physiol.	Ahemdabad, India 21-23 Mar. 1993
6	81st, Indian Sc.Cong. NATIONAL	India Sc. Cog. Assoc. Calcutta	Delhi, India 3-9 Jan. 1994
7	Progress in Hormonal Res.: PLants & Animals	School of Life Sciences Devi Ahilaya Vishwavidyalaya	Indore, India 20-22 Jun 1994
8	Application of remote sensing in forestry NATIONAL	NRSA, Hyderabad	Hyderabad, India 5 Dec-7 Jan 1995
9	Nursery'96 NATIONAL	MNES, Delhi & NBRI, Lucknow	Lucknow, India 28-2 Mar. 1996
10	XI Nat. Sym. on Developmental Biology NATIONAL	Deptt. Biosciences M D University	Rohtak, India 22-25 Nov. 1996
11	Biochemical mechanism of intermediate and recalcitrant seed storage.	American Society of Plnat Biology	California, USA 1997 3-6 May
12	Kinetin mediated prolongation of viability in recalcitrant sal seeds at low temperature: Its role in delaying membrane deterioration during desiccation induced injury	International Seed Testing Association [ISTA] 213	ISTA, Paris 1997 14-16 June
13	Differential pattern of antioxidant enzyme during loss of viability in intermediate & recalcitrant seeds.	USDA, USA	Texas, USA 1997 10-13 April
14	Innovation in forest tree seed science and nursery technology INTERNATIONAL	IUFRO- SOS Life Sciences Pt. Ravishankar Shukla Univ.	Raipur, India 22-25 Nov. 1997
15	Evaluation of cryostorage of Neem seeds: Germination, leachate conductivity, lipid peroxidation & antioxidant enzymes	Interna. Seed Testing Assoc. [ISTA]	ISTA,Greece 1997 3-5 July
16	Plant Physiology and Biochemistry	Soc. Plant Physiol. & Biochem. [Invited Talk]	Hyderabad, India 3-5 Feb. 1998
17	Mechanism of desiccation sensitivity in recalcitrant and intermediate tropical tree seeds	IUFRO Seed Symp. Malaysia.	Malaysia 1998 22-25 June
18	Workshop on Post harvest handling of recalcitrant and intermediate tree seeds	DFSC & IPGRI, Italy ASEAN Tree Seed Centre	Italy 2-5 April 2001
19	Capacity building in Research Management	World Bank & Ministry Environnent & Forest, Delhi	ASCI, Hyderabad, India 11-15 March 2002
20	Cry-biology of Tree Seeds	INSA-DFG [Plenary Talk]	Hamburg, Germany 9June-08Sept. 2002
21	Seed Biology & Technology: Application & Advances	Inst. Forest Genetics & Tree Breeding, [Plenary Talk]	Hamburg, Germany 09-11 July 2002
22	Vavilov-seminar: Germplasm conservation	IPK & IPGRI Germany Invited Speaker	IPK, Gartsleben 21 August. 2002
23	Tree Seeds 2002	IUFRO: Seed Physiology & Technology	Chania, Greece 11-15 Sept. 2002

		[Plenary Talk]	
24	Recalcitrant Seed Technology	IPGRI, Italy [Invited Speaker]	Chania, Greece 16-19 Sept. 2002
25	Innovations & Prospects in Life Sc.	SoS Life Sciences, Pt. R S U Raipur	Raipur, India 14-16 Dec. 2002
26	Plant Biodiversity: Conservation & Evaluation	Boss Institute [Invited Speaker]	Kolkata, India 17-20 Dec. 2002
27	2 nd International Congress on Plant Physiology & Indian Soc. Plant Physiol.	American Soc. Plant Physiology	IARI, Delhi, India 8-12, January, 2003
28	Challenges and emerging strategies for improving plant Productivity	Indian Society Plant Physiology [Invited Speaker]	IARI, Delhi , India 12-14, Nov. 2008
29	INTERNATIONAL CONFERENCE ON PLANT SCIENCE IN POST-GENOMIC ERA (ICPSPGE-2011)	Society Plant Biology [Invited Speaker]	Sambalpur , India 17-19, Feb. 2011
30	Recent Advances in Biological Sciences- II National Conference	SoS Life Sciences, Pt. R S U [Invited Speaker]	Raipur, India 25-27 Nov. 2013
31	3 rd International Plant physiology Congress-2015: Challenges and strategies in plant Biology Research	Indian Society Plant Physiology and National Institute of Plant Genome Research [Key Speaker & Jury Member for Evaluation of Posters]	JNU, New Delhi 11-15 Dec. 2015

Research Guiding Experience: M. Sc.		
Name	Title of Thesis	Year of award
Lata Lalwani	The Radioimmuno Assay of Plant hormones	1991
Bharti Sahu	Desiccation Induced Changes in Germination, Protein and Peroxidases in Neem Seeds	2004
Sarita Tripathi	Dehydration Damage and Repair in Imbibed <i>Cicer arietinum</i> Seeds	2006
Surendra Gautam	The effect of Accelerated Ageing and Priming on Deterioration of Wheat Seeds	2007
Dipti Chandrakar	DNA fingerprinting in Conservation of Forest Tree Diversity	2011
Shristi Sharma	Changes in Radicle Elongation, Active Oxygen Species and Superoxide dismutase in Gibberelic Acid and Abscisic Acid Treated Germinated Pea (<i>Pisum sativum</i>) Seeds	2013

Research Guiding Experience: M. Phil.		
Name	Title of Thesis	Year of award
Sanjay Kumar Sharma	Physiological assessment of post harvest storage behavior of seeds and seedlings of some tropical tree species.	1993
Mrs. Vinita Thomas	Effect of kinetin on young Sal (<i>Shorea robusta</i>) sampling during dieback.	1995
Ms. Vijay Laxmi Naidu	Antioxidant enzymes during desiccation induced tolerance in mature and prematurely dried seeds of <i>Leucaena leucocephala</i> .	1996
Smt. Namrata Gupta	Response of protein, superoxide dismutase and guaiacol peroxidase to salt stress and restoration by application of GA and KCl in germinated <i>Pisum sativum</i> .	2008
Mrs. Rashmi Soni	Changes in protein and lipid oxidation during NaCl-induced salt stress in germinated seeds of <i>Pisum sativum</i> .	2009

Sujat Mandal	AOS metabolism during seed germination of Ashwagandha (<i>Withania somnifera</i>).	2010
Neelam Khatri	Biochemical and molecular basis of cytokinin induced expansion of cucumber (<i>Cucumis stavas</i>) cotyledon in dark.	2011
Satendra Kumar Induria	Changes in total, soluble and heat stable protein profile during acquisition of germination and desiccation tolerance in developing seeds of Soybean (<i>Glycine max.</i>).	2013

Research Guiding Experience: Ph. D.		
Name	Title of Thesis	Year of Award
Chaitanya, Krishna SK	Loss of viability in sal (<i>Shorea robusta</i>) seeds: A Physiological and Biochemical Approach	1997
Keshav Kant Sahu	Physiological and Biochemical Aspects of Dieback in Sal [<i>Shorea robusta</i>] saplings	2000
Boby Varghese	Ageing in Neem [<i>Azadirachta indica</i>] seeds: Physiological and Biochemical Approach	2000
Sarika Gupta	Molecular and cellular investigations on metabolic and developmental traits of <i>Catharanthus roseus</i> .	2005 [Co-Guide]
Vinita Thomas	Oxidative metabolism in dehydrating Karanj [<i>Pogamia pinnata</i>] seeds during storage	2013
Jyoti Bakshi	Active oxygen species associated changes in protein, lipid peroxidation and antioxidant enzymes in desiccating Jamun (<i>Syzygium cumini</i> (L.) Skeels) seeds during storage	2013
Avinash Soni	ROS and its detoxifying enzymes during germination in Neem [<i>Azadirachta indica</i>] seeds	2014
Padhan Jyotirmayee	Are Oxidative Stress Induced Changes in AOS, Lipid, Protein, and DNA in Neem	2016 [Submitted]
Alok Kumar Sahu	Ageing Associated Changes in AOS and Expression Profiles of Antioxidative Enzymes and Cell Cycle Proteins in Neem (<i>Azadirachta indica</i>) Seeds	Working
Balram Sahu	Changes in AOS, Expression of Scavenging Enzymes and Desiccation Tolerant Proteins During Loss and Re-establishment of Desiccation Tolerance in Germinating <i>Pisum sativum</i> seeds	Working
Aparna Sahu	ROS and Hormonal Control in Stem Cells of Root Apical Meristem of Germinating pea [<i>Pisum sativum</i>] Seeds	Working

Membership of Academic Societies:			
Period	Organization	Title of Society	Country
1995-98	Plant Physiology	American Society of Plant Physiology	USA
1995-98	IUFRO	Research Group 2.09-00-Seed Physiol. & Technology	Austria
1997-cont.	ISTA	International Seed Testing Assoc	Switzerland
2004-Cont.	ISSS	International Society for Seed Science	UK

Expert of DST, Delhi	
S. No.	Name of Committee
1	Reviewing Research Project, Young Scientist, [DST], Delhi
2	Reviewing of DBT major research project
3	DST nominee in Selection Committee [JRF]

Symposium Organized:			
Year	Organization	Title	Secretary
1997 22-25 November	International Union for Forest Research Organization [IUFRO], Austria	Innovations in Forest Tree Seed Science & Nursery Technology	Organizing Secretary

Subject Expert Selection Committee: Selection of Assistant, Associate and Professor	
S. No.	Name of the University
1	HNB Garhwal University, Srinagar [Uttarakhand], India
2	Pune University, Pune, [Maharashtra], India
3	Kushekhtra University, Kushekhtra , [Haryana], India
4	DeviAhilaya Vishwavidyalaya, Indore, [Madhya Pradesh], India
5	MS University, Baroda, [Gujarat], India
6	University, Amarkantak [Madhya Pradesh], India

Editorial Board of Journals:		
1	Editor in Chief [2011-Cont.]	Research Journal Seed Science Academic Journals Inc., USA
2	Member, Editorial Board [2012-Cont.]	American J Plant Physiology- Science Alert, -USA
3	Member, Editorial Board [2012-Cont.]	Journal Plant science- Science Alert -USA
4	Member, 1995-98	Plant Physiology- American Society of Plant Physiology, USA
5	Member, 1995-98	IUFRO - Research Group 2.09-00-Seed Physiol. & Technology, Austria
6	Member, 1997-2012	ISTA - International Seed Testing Assoc. Switzerland
7	Member, 2004-2010	ISSS - International Society for Seed Science, UK

Reviewer:		
1	Indian Journal	1-Indian Journal of Plant Physiology 2-Physiology & Molecular Biology of Plants
2	Foreign Journals	1-Physiologia Plantarum 2-Acta Physiologia Plantarum 3-Seed Science Technology 4-Cryobiology 5-African Journal of Biotechnology 6-Resrach Journal Seed Science 7-Plant Signalling Behaviour 8- JOURNAL OF MEDICINAL PLANTS