

CURRICULUM - VITAE

Name: PROFESSOR (DR.) GAURI DUTT SHARMA

Address: Vice-Chancellor, Bilaspur University, Bilaspur 495009, Chhattisgarh
(Former Vice Chancellor, Nagaland University and Pro-Vice Chancellor, Assam University)
Mobile – 09435500660, 09406218401
Tel 91-3842-270898 (Off.) Fax. 03842-270802, 270806
E-mail: gduttasharma@yahoo.co.in

Sex: Male

Date of Birth: 1st October 1950

Nationality: Indian

Present Basic Pay scale Rs. 75000/ (basic) + Rs 5000/ special. allowance

Employment 38 years (Post graduate level in central Universities)

Courses taught
P.G. level: Microbiology, Mycol & Plant Pathology, Microbial Ecology, Bio-diversity Environmental Biology & Conservation Biology.
Ph.D level: Research Methodology Course, Techniques in Microbiology, Microbiology of root region & Research techniques in Biology, Taught certain inter-disciplinary courses like Cell Biology to Zoology & Botany students & Microbiology to Biochemistry and Botany PG students.
Delivered several lectures in various Refresher Courses for the College and University Lecturers organized by NEHU University, Gauhati University, Kalyani University, Manipur University, Burdwan University and Assam Agric. University, Pondichery University. Framed syllabi on Environment for UGC, M.Sc. Botany and M.Phil. for NEHU and M.Sc. and M.Phil and Pre Ph.D. courses, Assam University.

Specialisation Microbial Ecology and Technology/ Microbiology

Educational Qualification M.Sc. (Botany,1973),Ph.D.(1981) Ecology of Mycorrhiza
Chairman of several Quality of higher education committee by NAAC, Bangalore

Fellowship of Academic Society Royal Society, London, UK & INSA, India under exchange programme.

Countries visited USA, UK, Canada, Japan, Malaysia, Singapore, Thailand, Myanmar, China

Research Publication
Book(s) edited/authored 278

1. Status of Landslides in NE-India and Natural Disaster Management, 1999, AUS Publication
2. Recent Research in Science & Technology (Life Science), 1999, AUS Publication with B.K.Dutta
3. Microbial Biodiversity, 2002, Scint. Book Pub., Ghy. ISBN9788121106016 with S.C.Tiwari
4. Medicinal Plants of Nagaland, Bisen Singh Mahendra Pal Singh Dehradoon, 2007.ISBN9788121106016.
5. Techniques in Biological Research, AU, Silchar, 2008.with M.Dutta Chaudhury
6. Integrated Pest Management .2010.ISBN 9789380138084

7. Heavy Metal Pollution and Mycorrhiza, **Today & Tomorrow Publisher Delhi. (2010).ISBN8170194567** with T.Ajungla
8. Medicinal Plants of South Assam. Deep Publ. New Delhi, 2010, ISBN9789380702-025 with, AKD,BKD,Hajra,PK
9. Status of Biodiversity and Conservation in NEIndia. Swastic Publ, New Delhi,2011 with MDC,SC,AT.ISBN 9789381084106
10. Researches in medicinal and aromatic plants, Swastic Publ.New Delhi, with MDC,ADT, SC.ISBN9289380752-
- 11 Application of Microbial genes in enzyme technology **Nova Publ USA with VKG,MGT, SG2013,ISBN978162417**

Editor of Journal

1. Journal of Assam University (1998, 1999, 2000 2001)
2. Member of editorial board of Vasundhara, 1997
3. Advances in Plant Sciences, 1990-1992

Member of Board of Editors 8th edition of International Directory of Distinguished Leadership, Marquis Who's Who USA 1998

4. Consulting Editor, American Biographic Inst, SA, 2003
5. Internat. Journal of Science & Technology of AUS. (2008,2009,2010,2011,2012)
6. Journal of Environmental Biol & Nat. Cons. (2007-09)

Member of Academic Society

1. Indian Botanical Society
2. Society of Microbial Ecologists of the Tropics
3. Indian Science News Association (ISNA)
4. Meghalaya Science Society
5. Indian Mycological Society
6. Indian Mushroom Growers Association
7. Indian Science Congress Association
8. The Orchid Society of India
9. Society of Environmental Sciences
7. Science Trial Organisation of Assam
8. National Academy of Science
9. New York Academy of Science, USA

Position held in Academic Society

1. Treasurer, Society for Microbial Ecologists of Tropics (1983)
2. Joint Secretary, Meghalaya Science Society (1985)
3. Vice President, Indian Mycol. Society , Kolkata(2006-08)

Work quoted in International Journal /Book

- | | |
|---|--|
| 1. Rev. Plant Pathol, U.K. (1984,1992) | 33. Environ Manag <u>14</u> , 131 (1990) |
| 2. Rev. Plant Pathol, U.K. (1992) | 34. Aquat Bot <u>36</u> , 287 (1990) |
| 3. Oikos Supplement (1984) | 35. Aquat Bot <u>41</u> , 41 (1991) |
| 4. Acta Botanica Indica (1984, 1986.1992) | 36. Mycorrhiza <u>3</u> , 123 (1993) |
| 5. Acta Botanica Indica (1986) | 37. Mycorrhiza 4 265 (1994) |
| 6. Acta Botanica Indica (1992) | 38. J.Ecol 84 703 (1996) |
| 7. Acta Mycologia (1995), | 39. Hydrobiologia 342 35 (1997) |
| 8. Rev. Plant Pathol, U.K. (1984) | 40. Plant Soil 191 1 (1997) |
| 9. Rev. Plant Pathol, U.K. (1992) | 41. Limnol Oceanogr 43 508 (1998) |
| 10. Bio-Science, USA (1989) | 42. Aquat Bot 63 261 (1999) |
| 11. Soil Biol Biochem, U.K. (1992) | 43. Mycol Res 108 616 (2004) |
| 12. Soil Biol Biochem, U.K. (1993) | 44. Appl. Soil Ecol 14, 71, (2000) |
| 13. Soil Biol Fertility, Germany (1992) | 45. Soil Biol Biochem 35, 837 (2003) |
| 14. Canadian Journ. Of Botany, Canada(1997) | 46. Soil Sci Soc AMJ 68 125 (2004) |
| 15. The New Phytologist, U.K. (1995, vol. | 47. Environ Pollut 86, 2001 (1994) |

- 129,317)
16. Canadian Journ. Of Microbiology (1997)
 17. European Jour of Soil Biol, France (1996)
 18. Mycorrhizal Symbiosis (Smith and Read), Acad. Press, London, New York,1998
 19. Advance in Microbial Ecology (Rai & Dkhar), 1998
 20. Soil Microbiology (RR Mishra) New Delhi, 1997
 21. Microbiology (S.C. Dubey & D.K. Maheshwary) New Delhi, 1999
 22. Environmental Pollution UK 106,169 (1999)
 23. Applied Soil Ecology, UK,14,71,72 (2000)
 24. Soil Biol. And Biochem UK,31,9 (1999)
 25. Soil Biol. And Biochem UK, 31, 769 (1999)
 26. Soil Biol. And Biochem UK, 32 1847 (2000)
 27. Soil Biol. And Biochem UK, 33,322, (2001)
 28. Biology & Fertility of Soil, Germany, 27430, (1998)
 29. Biol. & Fert. Germany, 36,497, 4975 (1999)
 30. Soil Science Society, 63,629(1999)
 31. Soil Science & Plants 45,803 (1999)
 32. Sweden journal of Agricultural Research, 28 117 (1998)
 33. Soil Biol & Biochem. 31,9 (1999)
 34. Soil Biol & Biochem. 29, 171 (1997)
 35. Journal of Appl. Microbiolog 89,78 (2000)
 36. Canadian Journal of Soil 77, 579 (1997)
 37. Journal of Environmental Quality 27,1268 (1998)
 38. Soil Science & Plants 64,93 (1998)
 39. Pedobiologia, Germany, 30 (2)137 (1998)
 40. Canadian Journal of Microbiology 43,85 (1997)
 41. Plant and Soil, The Netherland 189,32 (1997)
 42. Plant and Soil, The Netherland 92,387 (1987)
 43. Soil Biol and Biochem. UK,28,1073 (1996)
 44. New Phytologist, UK,131,4531 (1995)
 45. New Phytologist, UK,123,307 (1993)
 46. Physiol Str. 185k,57 (1994)
 47. Environ. Jour. Of Soil USA,30 (1)25 (1994)
 48. Appl Env Microb 71, 5560 (2005)
 49. Appl. Env. Microb 71, 5560 (2005)
 50. Soil Biol Biochem 26, 871 (1994)
 51. Soil Biol Biochem 26, 871 (1994)
 52. Can J Soil Sci 77, 579 (1997)
 53. Biol Fert Soil 27, 430, 1998, 86.J. Environ Qual 27, 1268, (1998)
 54. Biol Fert Soil 86.J. Environ Qual 27, 1268, (1998)
 55. Soil Sci Plant Nutr 44, 93 (1998)
 56. Soil Biol Biochem 31, 769 (1999)
 57. Soil Sci Plant Nutr 45, 89 (1999)
 58. Soil Sci Soc AMJ 63,629 (1999)
 59. J.Appl Microbiol 89, 178 (2000)
 60. Soil Sci Plant Nutr 47, 477 (2001)
 61. Common Soil Sci Plan 33, 3745 (2002)
 62. Soil Biol Biochem 34, 1157 (2002)
 63. Aqr Ecosys Environ 100, 3 (2003)
 64. Soil Sci Soc AMJ 67 1250 (2003)
 65. Int J Sust Dev World 11 298, 2008-09-18,
 66. Symbioses 17, 237 (1994)
 67. Plant Soil 170,5, (1995)
 68. Swed J Agr Res 28, 11 (1998)
 69. Plant Growth Regulation 35, 97 (2001)
 70. Forest Ecol Manag 170,307 (2002)
 71. Appl Soil Ecol 19,13 (2002)
 72. New Phytol 153,43 (2003)
 73. New Forest 25, 125 (2003)
 74. Plant Soil 254,179 (2003)
 75. Symbiosis 36, 69 (2004)
 76. Chemosphere 60, 1462 (2005)
 77. Soil Biol Biochem 31,9 (1999)
 78. Soil Biol Biochem 32,1847 (2000)
 79. Appl Soil Ecol 14,71 (2001)

80. European Journ of Soil, France 30,11 (1994)
81. Pedobiologia, Germany,38,125 (1994)
82. Soil Biol Biochem. UK,25,1763 (1993)
83. New Phytologist, UK, 98, 441 (1985)
84. New Phytologist, UK,108,745 (1987)
85. Mycotaxon, USA,26,473 (1986)
86. Oecologia, France, 68,241 (1986)
87. Plant and Soil, The Netherland, 101,121 (1987)
88. Canadian Journal of Forestry, 17,929 (1987)
89. Proc. Acad of Science India, (P1) (1982)
90. Acta Botanica Indica, 10,43 (1982)
91. Mycotaxon, USA,27 (1986)
92. Plant & Soil 80,105(1984)
93. Biol Fert Soil 12, 272 (1992)
94. Soil Biol Biochem 24, 265 (1992)
95. Pedo biologia 38, 125 (1994)
96. New Phytol 106, 745 (1987)
97. Mycorrhiza 3, 123 (1993)
98. Can. J. Bot 73, 991 (1995)
99. Curr Sci, India 77, 1095 (1999)
100. In VITRO Cell Dev AN 37, 158 (2001)
101. Mycorrhiza 15, 121 (2005)
102. P. Indrani AS-Chem Sci 91, 69 (1982)
103. Canadian J. Forest Res 23, 1275 (1993)
104. Appl. Environ Microb 71, 2713 (2005)
105. Aquat Bot 19, 251 (1984)
106. TR British Mycologic 05, 683 (1985)
107. Canadian J Botany-J-CA 65, 419 (1987)
108. Phyto pathology 91, 47 (2001)
109. Soil Biol Biochem 33,311 (2001)
110. Redobiologia 42,23 (1998)
111. Biol Fert Soils 30,117 (1999)
112. Biol Fert Soils 31,102 (2000)
113. Biol Rev 77,455 (2002)
114. Ecography 24,181 (2001)
115. Microbiol Mol Biol 66,592 (2002)
116. Mycol Res 106,74 (2002)
117. Mycotaxon 88,249 (2003)
118. Plant Ecol 171,35 (2004)
119. J.Exp Bot 56 175 (2005)
120. Mutat Res-Gen Tox En 520,125 (2002)
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122. Genomics 82,596 (2003)
123. Int. J.Oncol 23,697 (2003)
124. Mutat res-Fund Nol M 526,9 (2003)
125. Mutagenesis 18,53 (2003)
126. Toxicology 185 89 (2003)
127. Environ Toxicol Chem 23,2868 (2004)
128. Rus J Genet 40,1300 (2004)
129. Mutagenesis 18 53 (2003)
130. AM J Epidemiol 162,858 (2005)
131. Toxicology 203 49 (2004)
132. Toxicol Sci 85, 615 (2005)
133. Arch Toxicol 79 169 (2005)
134. Medicinal Plant of Nagaland(2007) Bishen Singh.
135. Microbiology (eds. Tsavelova, Lobakova, Kolomeitseva), Springer, 2003.
136. Ecological Research (2008), Springer.
137. Plant and Soil (2008), Springer.
138. Invitro Cellular and Developmental Biology-Plant (2001 – M.K. Rai), springer.
139. Mycorrhiza, 2005, Springer.
140. Mycorrhizal Biology (2000) (R.C. Gupta, K.G. Mukherji).
141. Archives of Phytopathology & Plant Protection (1998).
142. Toxicology (2004) – Elsevier.
143. Toxicological Sciences, 2005, soc. Toxicology
144. Mut. Res. Enetic toxicology and env. Mutagenesis, 2008 – Elsevier.
145. Environmental and Molecular Mutagenesis, 2009, Inter-Science, wiley.com.
146. Jour. North West Sci. Tech Univ. of Agri & For. Nat. Sci. Ed. 2006.
147. Acta Media Okayama (2006) lib. Okayama-
151. Forest Ecology & Management (2002), Elsevier.
152. Acta Botanica Hungarica 49 (3-4), 319-328 (2007).
153. Agrobiol sggw waw. Pl. vol 3 (1), 45-59 (2008).
154. Metla. Eu (2005).
155. Journal of Nanjing Forestry Univ. vol. 129 (6), 2005.
156. Biotechnology of VAM : Indian Scenario (S. Chandra & K.K. Kehri), 2006.
157. Plant & Soil 80, 105 (1984).
158. Mysorrhiza (Cazares, E, Trappe, J.M., 1993), Springer.
159. Handbook of applied Mycology (Paulitz, T.C. and Linderman, R.G.), 1991.
160. Studies in Mycology. Org (2005).
161. Canadian J. Forest res. (2004. article. Pubs. nrc- enr.gc.ca).
162. Mycorrhiza (2006), Springer.

163. The Mycorrhizal : Diversity, Ecology and Applications (2007) 87 – 101.
164. Forestry (2006).
165. J. Natn. Sci. Foundation Sri Lanka 33 (2) 81 – 91 (2005).
166. Acta Ecologica Sinica (2007) Elsevier.
167. Biological Reviews (2002) Cambridge Univ. Press.
168. Biol. Fert. Of soils (2000), Springer.
169. Chinese J. of Ecology(2005), 24 (4), 422 – 27.
170. Journal of Fac. of Agric. OMU, 2007, omu.edu.tr.
171. Environmental Science, vol. 27 (8), 2006, 2.
172. Environmental International, 2004, Elsevier.
173. Applied and Environmental Microbiology (2005), Am. Soc. Microbiol.
174. The Journal of Microbiology (2004), 285 – 291, vol. 42 (4).
175. Intestinal Microbiota of terrestrial ISO pods (Eupnik & Drobne), Springer, 2006.
176. Ekologic.upol.c2.
177. Mutation Research w3.gazi.edu.tr (2006).
178. Mutation Res. – Genetic Toxicology and env. Mutgenesis (2006), Elsevier.
179. Russian Journ. Of Genetics (2008), Springer.
180. Soil Biol. & Biochemistry (2006), Elsevier.
181. Ecological Applications (2007), Eco. Soc. America.
182. Intl. Rev. of Hydrobiology (2006), Interscience. Wiley.com
183. Mycorrhiza Biology (2000) – Mukherjee & gupta.books.google.com
184. Global change Biology – Inter-science. wiley.com
185. Plant & soil, 189, 321-329 (1997), Kl.Acad. Press.
186. Soil Biol Biochem (2000) Elsevier
187. Enzymes in the env. Activity, (2002), Ecology. Books.google.com
188. Soil Sci. Soc. Am. Journal (2004) Soil Sci.soc. America
189. Applied Soil Ecology (2000) Elsevier
190. Biol. Fert of soil (1992), Springer.
191. Journ. of Archaeological sci. (2004), Elsevier.
192. Europ. J. Soil Biol. (2001), Elsevier.
193. Revista chilena de historia natural (2001), sci u.ac.jp.
194. Microorganisms in Plant diversity conservation, 2002, Springer.
195. Journ. Of Forestry (2006), Springer, 17 (3), 201-205.
196. J. Forestry, 2007, cq.vip.com
197. Environmental Pollution, 1999, Elsevier.
198. Mycorrhiza Technology in Agriculture, From Genes to books google.com (Gianinazzi, S, Scuepp, H., Barua, J.M. and Masdwanter, K), 2002.
199. Appl. Env. Microbiology (2005) A. Soc. Microbial (Snelling et. al.)
200. Soil microorganisms, mycorrhiza and restoration ecology.
201. Z. Filip. Um. Schand. Fors. (1995), Springer.
202. Biosmart – uns journals. Com
203. Freshwater Biology (2006) interscience.wiley.com
204. Journal of Ecology (1996) jstor.org.
205. Mycorrhiza (1993) – Springer.
206. Hydrobiologia (1997) – Springer.
207. Plant & Soil (1997)191, 1-12.Kluwar Acad. Press.
208. Limnology and Oceanography (1998). Jstor.org.
209. Mycology research, 2004, Cambridge Univ. Press.
210. Aquatic Botany (1999) – Elsevier.
211. Plant Growth Regulation (2001), Springer
212. New Forests (2003), Springer
213. Folia Geobotanica (1996), Springer
214. Plant & soil, 1-8 (2002).
215. Res. Journ. of Agric & Biol. Sci (2008), insinet.net
216. Proc. Ind.netn. sci.Acad.B 66 (485) 223-238 (2000).
217. Soil Biol Biochem (1999), Elsevier
218. Biol. Fertility of Soil (1998), Springer
219. Plant and Soil (1995), Springer
220. Soil Sci.soc.Am.Journ. (2003), soil sci. soc. America.
221. Land Degradation & Dev. (2001), inter-science.wiley.com
222. Journ. Appl. Microbial (2000) Inter-science, wiley.com
223. Pedosphere (2006), Elsevier.
224. Scientia Agrícola (2004), Sci Elo Brasil.

223. Acto Ecologica Sinica vol. 24 (12), 2004.
224. Boreal Environ. Res (2001), borenv.net
225. Polish Journ. Of Natural Sci (2008), Verseta.
226. Frontiers of Forestry in China (2009), Springer.
227. Acta Botnica Brasilica (2001), sciElo Brasil.
228. Journ. of Plant Nutr. And Soil Sci 2001, Inter-science, wiley.com
229. Soil Ecology Res. Dev. (2008) books.google.com
230. Soil Biol Biochem 28 (8) 1073 – 1081 (1996), Elsevier.
231. Soil Biol Biochem (2001).
232. Phytopathology (2001), Am. Phytopath society
233. Plant & soil (1995), Springer.
234. New Phytologist (1995), istor.org.
235. Acid Land Res. & Manag. (2001) Informaworld.com
236. New Phytologist (2002), istor.org.
237. Forest Ecol. & Manag, (2002) Elsevier
238. Applied Soil Ecol (2002), Elsevier.
239. Plant & Soil, 254, 179-186 (2003).
254. International Agrophysics (2000) ia.ipaw.lublin.pl
255. Agriscientia (2003) crean.org.ar
256. Ecological Res. (2006), Springer
257. Journ. of Anhui. A. Sci. 34 (1) 103-105, 2006.
258. Journ. of For. Res. (2006), Springer
259. Comm. in Soil Sciences & Sl. Analysis (2002). informworld.com
260. Comm.in.oil. sci. & Pl. Analysis (2008) informworld.com
261. PCbiol. Posgrado.unam.mx
262. Europ. Journ. soil. Biol (2008), Elsevier
263. Soil Mineral-Microb-org.Inter.thred (2008) google.com
264. Acid Land Res. & Manag (2006) Informworld.com
265. Google.equip.com (2006).
266. Journ. Trop. For Sci. (2007), SciElo Brasil
267. Europ. Journ. For Res (2007), Springer
268. Acikersiv.ankara.edu.tr (2008).
269. Heavy Metal Pollution and Myciorrhiza, today & tomorrow Publ., New Delhi (2010)
270. Integrated Pest Management, Swastic Publ., New Delhi (2010).

Total citation of Papers as per Scholar: 450 and h index as per Scopus 6 and by scholar 15
Research guiding experience 30 years

- a) Students supervised for Ph.D. 34
b) Students supervised for M.Phil. 5
c) Students working for Ph.D. 08
d) Post Doctoral Fellow worked 5

Working Experience in reverse order

Post held	Employer	Name of work	From	To
Founder Vice-Chancellor Pro-Vice-Chancellor	Bilaspur University Assam University	Educational and Administration	June, 2012 July, 2007	Continuing March, 2012
Professor & Dean, Life Sciences	Assam University	Teaching, Research & Administration	April, 2006	May, 2012
Vice-Chancellor	Nagaland University	Educational and Administration	July 2001	April, 2006
Dean	Assam University	Teaching PG, M.Phil & Research and Administration	June 1996	June 2001
Professor & Head	School of Life Sciences	Teaching P.G., M.Phil & Research, and Administration	May 1996	August 1999
Reader	North Eastern Hill University, Shillong	Teaching & Research	May 1988	May 1996
Sr. Lecturer	-do-	-do-	January 1986	April 1988
Lecturer	-do-	-do-	December 1981	December 1985
Temporary Lecturer	-do-	-do-	March 1979	November 1979

Sr. Lab Tech	-do-	-do-	Nov. 1979, Nov. 1974	Dec. 1981 March 1979
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List of Ph.D. students supervised by Prof. G.D. Sharma

Sl.No.	Name	Title of Thesis	Year
1.	R.S.Katiyar	Studies on Orchids of N.E. India, Ecophysiology of Mycorrhiza (NEHU)	1986
2.	D.K. Jha	Ecological studies on Vesicular arbuscular mycorrhiza (VAM) fungi in secondary successional plant community at higher and lower altitudes of Meghalaya (NEHU)	1990
3.	Raj Kumar	Ecological investigation on ectomycorrhiza of Khisi pine (<i>Pinus kasiya</i> Royle ex. Gordon) in different soil conditions (NEHU)	1990
4.	B.N.Jha	Studies on the climatic conditions on the development and efficiency of ectomycorrhiza of pine (<i>Pinus kasiya</i> Royle ex Gordon) (NEHU)	1990
5.	S Kshattriya	Ecological studies on the Microbial and Biochemical aspects of forest litter decomposition at higher and lower altitudes of Meghalaya (NEHU)	1991
6.	Manju Chauhan	Studies on distribution and function of ectomycorrhiza in and translocation of labelled compounds P32 & C14 in Pine seedling (NEHU)	1992
7.	S.R.Joshi	Ecological studies on the effect of air pollution on the leaf surface microbes and litter decomposition (NEHU)	1992
8.	H.Kayang	Ecological studies on the biodegradation of leaf litter of alder (<i>Alnus nepalensis</i>) with special reference to the role of microbes and isopods (NEHU)	1993
9.	G.Ganesh	Study on genetic diversity of <i>Frankia alni</i> strains isolated from <i>Alnus nepalensis</i> root nodules found in Meghalaya (NEHU)	1994
10.	C.S. Rao	Ecophysiological studies on the productivity of ectomycorrhizae in pine (<i>Pinus kesiya</i>) (NEHU)	1995
11.	M.Pradhan	Studies on interaction VAM & <i>Frankia</i> in non leguminous tree species (<i>Alnus nepalensis</i>) of N.E. India (NEHU)	1995
12.	C.Massar	An Ecological study of seed borne fungi and mycotoxin in maize (<i>Zea mays</i> L) (NEHU)	1995
13.	T. Ajungla	Effect of heavy metals on the structure and function of ectomycorrhiza of <i>Pinus kesiya</i> (NEHU)	1999
14.	E.M. Blah	Studies on the microbiology of coal mine spoil of Jantia Hills, Meghalaya (NEHU)	1999
15.	S.Giri (Deb)	Studies on the Genotoxic effects of pesticides in mice and chick in vivo using multiple cytogenetic analysis end pint (Assam University)	2001
16.	S.K. Paridha	Study of VAM under different agricultural ecosystems of Meghalaya (NEHU)	2002
17.	Ajit Kr. Das	Study of medicinal Plants used by different communities of Cachar district, Assam, India (Assam University)	2006
18.	Arnav Das	Isolation and Molecular characterization of <i>Closteridium perferingens</i> (Assam University)	2007
19.	Suvasish Choudhury	Bioactivity Evaluation and Phytochemical Characterization of <i>Pajanelia longifolia</i> (Willd.) K Sch .	2009
20.	Sujata Bhattacharjee	Ecological studies on vesicular arbuscular mycorrhiza (VAM) in different agro ecosystems of Borak Valley, Assam, India. (Assam University)	2010
21.	Biswajit Deb Roy	Microbiological studies of soil diazotrophs of rice agro-ecosystems of Southern Assam, India. , Assam University	2011

22	Jaysree Chakraborty	Microbiological and nutritional analysis of some Fermented foods consumed by different tribes of N.C. Hill district of Assam. , Assam University	2011
23	Biswjeet Chakraborty	Antimicrobial, hepato-protective and immune-modulatory Role of Curcuma longa, Zingiber officinale and Tinospora cordifolia in CCl4 intoxicated male albino mice. Assam Univ.	2012
24	Sneha Gang	Effect of cadmium exposure on immunomodulatory and pre- Inflammatory role of murine splenic and peritoneal macro- Phages. Assam University	2012
25	Piyalee Panda	Studies on induction of oxidative stress, phytochelaton and its molecular aspects in rice (Oryza sativaL.) under Cd stress	2012
26	Durga Sharma	Studies on isolation, characterization and improvement of microbes during biodegradation of organic wastes from Paper industry, south Assam. Assam University	2013
27	H. Pratibha	Sustainable use of beneficial Rhizobacteria of tea field soils under different treat ment of pesticides. Assam University	2013
28	Resmi Chanda Chaudhury	Epidemiological Investigation of Candida species with Special reference to the HIV/AIDS. Assam University	2013
29	Bibhas Rajkumar	Ecological studies on microbial community of Barak river, South Assam. Assam University	2013
30	Ratna Roy	Genetical variation and hormonal regulation for drought Resistance traits in rice (Oryza sativa L.) submitted	2012
31	Alka	Microbiological studies in fermentation of different varieties of Musa paradisiaca of South Assam submitted	2012
32	Soubam Supriya Devi	Studies on air microflora over the rice fields with special Refernce to blast disease of rice in south Assam submitted	2013
33	Ishita Deb	Effect of selected heavy metals (Arsenic, cadmium, lead, And mercury) on reproductive functions in human male Volunteers from southern Assam. Submitted	2013
34	Falguni Laskar	Studies on the biodiversity of diazotrophs from the rhizospheric and non rhizospheric regions of rice plant and their usein biofertilizer technology development with special reference to Karimganj districtof barak valley region South Assam, submitted	2013

List of students supervised for their M.Phil Degree:

1. Ajit Kumar Das: Ethnomedicobotanical study of Cachar district, Assam, India, 2001
2. Lipica Sarkar : Studies on the microbiology of fermented food used in the district of Cachar, Assam (2001)
3. Joyshree Chakraborty : Ethnomedicinal study on N.C. Hills district of Assam, India, 2007.
4. Debmita Chakraborty: Diazotrophs N fixing bacteria in sugarcane crop, 2008
5. Jahan Ara Begum : Phyllosphere Microbes of Tea Leaves (Thea sinensis), 2009

List of students presently working for their Ph.D Degree:

1. Sagarika: Endophyte of Cymbapogon (lemon grass),2008
2. Ratul Nath : Endophyte of Tea,2010
3. Benki Post harvest diseases of fruits of Barak Valle, 2010
4. Manideepa Roy Aquatic microbes, sone beel, south assam, 2010
5. Molina vam and rhizobium symbionts with medicinal plants, 2010
6. Pranita Bora Microbial decomposition of tectona litter 2009
7. Aparna Rabha Biological control of tea diseases by endophytes 2011
8. Debmita Chakraborty Diversity of Dizatrophs in rhizoshere of sugarcane 2011

Research projects undertaken as investigator :

1. Fungal association-----Orchids of N.E. India, DST, New Delhi 1982-1986
1. Studies on Mycorrhiza-----Tree species of N.E. India, ICAR, New Delhi 1982-85
2. Radio Ecology of Root-----Pine, DAE, Bombay, 1982-1986
3. Studies on mycorrhiza-----Pine, UGC, New Delhi, 1984-88
4. An Integrated Pathological ----N.E. India, CSIR, New Delhi, 1984-1988
5. Role of Soil Microbes-----West Khasi Hills, Ecodevelopment, NEHU, 1985-1988
6. Studies on soil microbes----N.E. India D.O.En, New Delhi, 1986-1990
7. Interaction between vam and pathogenic fungi,CSIR,New Delhi, 1990-93
8. Studies on Frankia-----NE India, CSIR, New Delhi, 1990-1993
9. Ecology and molecular biology of Frankia, Indo-French, 1992-95
10. Conservation of rare----South Assam, Ministry of Environment and Forestry, New Delhi, 1997-98
11. Setting up of Bio energy Park, Min. of Non Conv. Energy, New Delhi, 1997-98
12. Biodiversity of medicinal--- Orchids, NATP, NBPGR,ICAR, 1999-2002
13. UGC-DRS – (2007-Contd. – Coordinator, 2007)
14. BIF, DBT, Govt. of India (2008-Contd-Coordinator, 2008)
15. FIST – DST, Govt. of India (2008 – Co-ordinator).
16. DBT Govt of India, Twining project with Pondechery Uni (2011-14).

National/international seminar/symposium attended and paper contributed :

1. National Symposium of Ecology, Muzaffarnagar, India, 1977
2. National Symposium on Environment, Shillong (Nat.Acad Sci),1979
3. National seminar on Environment ISCA Jadavpur Calcutta, 1980
4. Indian Science Congress, Varanasi, 1981
5. International Workshop on Mycorrhizae at Serdang, Malaysia, 1982
6. Seminar on Resource Potential of N.E. India, Shillong (Meg. Sci.Soc.), 1981
7. Seminar on Advances in Microbial Ecology, Shillong, 1983
8. International seminar on Life Science, Shillong, 1983
9. IUFRO Symposium on Root Biology and Symbiosis, Canada, 1986
10. INTECOL Seminar on Ecology, USA, 1986
11. International Workshop on Mycorrhizae, JNU, New Delhi, 1987
12. First Asian Conference on Mycorrhizae, Madras, 1988.
13. National seminar on Orchids, Shillong 1988
14. National seminar on Molecular Biology, Shillong, 1990
15. National Seminar on Mycorrhizae, Hissar, 1990
16. INTECOL Congress on Ecology, Japan, 1990
17. 3rd European Conference on Mycorrhizae, UK, 1991
18. Seminar on Forest Management, Shillong, 1993
19. Workshop on Social Forestry, Byrnihat, 1994
20. Workshop on Ecodevelopment & Natural Disaster Reduction, IIPA, New Delhi 1995
21. International Conference on Exploitation on Microbes, BHU, Varanasi, 1996
22. National Symposium on Biodiversity and Ethnobotany, Bhagalpur, 1996
23. Workshop on Environment, Assam University, Silchar, 1996
24. National Seminar on Environment at NEHU, Shilloong, 1996
25. Workshop on Status of Landslides and Natural Disaster Management, AUS, 1997
26. Seminar on Biodiversity, Agriculture and Climate Changes, NEHU, Shillong, 1998
27. Seminar on Perspective Planning and Development in N.E. India, Itanagar, 1998
28. Environmental Problems of N.E. India, Assam University, Silchar, 1998
29. Integrated Pest Management in North East India, Assam University, Silchar, 1998
30. Recent Trends in Biology, NEHU, Shillong, 1999
31. National Workshop on Agricultural Biodiversity NBPGR, Shillong, 1999
32. UGC sponsored seminar on Biodiversity, Karimganj, 2000
33. International seminar on Agroforestry, Aiswal,2000
34. National Seminar on Approaches for increasing Agr. Prod. In Hill & Mountain Ecosystem, Shillong, Oct., 2001
35. National Workshop on Microbial Biodiversity, Gauhati, 2001
36. Workshop on Application of Improved Technology for Afforestation, Jorhat, 2001
37. NATP Workshop on Biodiversity, at NBPGR, New Delhi, 2001
38. NAAC Workshop on Quality Education, Kohima, 2002
39. International Seminar on Population, BHU, Varanasi, 2003
40. International seminar on Organic Food, Shillong, 2004
41. National Seminar on Microbial Diversity, ASTEC, Gauhati, 2006

42. National Symposium on Diversity of Plant Pathogens & Manag. Imphal, 2006
43. Research Methodology in Basic Sciences, Assam University, Silchar (AIU), 2006
44. National Seminar on International Disaster Management, Guwahati (CIDC & NADM), 2007
45. National seminar on Medicinal Plants, Hailakandi (Forest Dept., Assam) 2008.
46. International seminar on Green Building, Energy & Env., Beijing, China, 2008.
47. International seminar of Earthquake & Natural Disasters, New Delhi (2008).
48. Indian Science congress, Shillong, 2009.
49. National Seminar on Bio-diversity, Silchar, 2009.
50. National workshop on Bamboo & Cane, Forest Deptt., Silchar, 2009.
51. Workshop on IPR – CSIR, AUS, Silchar.
52. National Seminar on Estimable Livelihood Development through Fruits and Vegetables processing in N.E. India 8th – 9th March, 2010.
53. National Seminar on Small Scale Entrepreneurship Development in N.E. India, at AUS 3 – 4th March, 2010.
54. National Seminar on Biodiversity and conservation 5th – 6th March, 2010 at AUS.
55. Workshop on PCR Based Advanced DNA Finger Printing (DBT – Govt of India) 21st April – 5th May, 2010. & Delivered a lecture on Microbial Diversity and Hands on Training of PCR – DNA finger Printing of Bacteria (on 29.04.10), AUS
56. Choice Based workshop for Teachers of Assam University College Teacher 6th May, 2010, .
57. National Seminar on Green Building concept and Human Resource Development on 7th May, 2010, AUS.
58. National Seminar on Bioinformatics in G.C.College, Oct.9. 2010
59. National Seminar on Biodiversity, NEHU, 8th Sept, 2010
60. International Seminar of IBS, Shivaji Univ, Kolhapur, 12-13th Nov, 2010
61. International Seminar on Recent trends in medicinal and aromatic plants, AUS, Dec, 1-5, 2010
62. International Seminar on Higher education sustainability and livelihood, AUS, 16th Dec, 2010
63. National Seminar of Indian Social Science, 20th November, 2010

Member of Organising Committee of International/National Seminar :

1. Seminar on Advances in Microbial Ecology, Shillong, 1983
2. IUFRO Seminar on Root Biology and Symbioses, Canada, 1986
3. 3rd European Symposium on Mycorrhizae, UK, 1991
4. Colloquium on the role of Bot. gardens in conservation of plant species, AUS, 97
5. Workshop on Status of Land Slides & Nat. Dist. Manag., (Convenor) AUS, 1999
6. Integrated Pest Management in N.E. India (Convenor), 1999
7. National Seminar and Workshop on Earthquake & related Hazard Manag., 2001
8. International Conf. on Current Trend in Algal Bio-resource Utilization, Assam University, 2006
9. Workshop on Research Methodology of Sciences AIU-AUS, 2006 (Contd.)
10. Workshop on Research Methodology for Life Scientists, AUS, 2008.
11. National Seminar on Bio-diversity, March, 2009, Assam University.
12. National Seminar on DNA Bar-coding, AUS, April, 2009.
13. National Seminar on Microbes & Health, Kolkata, Dec. 2009.
14. IPR – CSIR and Assam University, Silchar, 2009.
15. Vice–Chairman of International Conference on Global Warming, Climate Change vis–a–vis Management of Natural Resources in North East India held at Guwahati 22 – 23 March, 2010.
16. Advisor of National Conference on Current Trends in Computer Science (CTCS - 2010) February 22 – 24, 2010, AUS.
17. Patron RAMSA, 25-27, Nov., 2010
18. International Seminar on Recent advances in medicinal and aromatic plants, Dec 1-5, 2010
19. International Seminar on Higher Education, Sustainability and Livelihood, 16th Dec. 2010
20. International Seminar on Water, Gauhati, 28th, January, 2011.
21. International seminar on Indo Bengla Science, Culture, History, January 22-24,, 2012.
22. International conference in ecology, Assam University, February 14-17th, 2012
23. International conf. on biodiversity, conservation & environ. health, silchar, march 16-17, 2012

Research problems of current interest : Microbial Diversity, Mycorrhiza, Microbial Interactions, Plant Pathogens, Microbial Degradation, Microbial Enzyme Technology,, Food microbiology, Medicinal Plants

1. **Technical session chaired :**

- i. International seminar on microbes, BHU, Varanasi, 1996
- ii. National seminar on Social forestry, 1993
- b. Conference on Biodiversity and Ethnobotany, Bhagalpur, 1996
- c. Conference on Environmental Resources, NEHU, Shillong, 1996
- d. Status of Land Slides, AUS, 1997
- e. Conference on Human Rights and Insurgency in N.E. India, AUS, 1997
- f. Conference on Society, Development and Tea Industry, AUS, 1998
- g. National Problems of N.E. India, AUS, 1998
- h. Seminar on Biodiversity, Karimganj (UGC), 2000
- i. International Conference on Agro forestry, NEHU, Aizwal, Mizoram, 2000
- j. National Seminar on Hill Agriculture, ICAR, Shillong, 2001
- k. International Seminar on Organic Food, ICAR, Shillong, 2004
- l. International Seminar on Algal Bioresource Utilization, Assam University, Silchar, 2006
- m. National Seminar on Plant Pathogen Diversity, Manipur University, 2006
- n. National seminar on Right to Information, Assam University, 2006.
- o. National Seminar on Bio-diversity at Guwahati, 2007
- p. National Seminar on Medicinal Plants, Hailakandi, 2008.
- q. Workshop on IPR, AUS, Silchar, 2009.
- r. National Seminar on DNA Bar-coding, 2009.
- s. National Seminar on Bio-Diversity, 2009.
- t. International Seminar of IBS, Kolhapur, 13TH, Nov,2010
- u. International Seminar on Recent Advances in medicinal and aromatic plants, 2010
- v. International Seminar on Higher education, sustainability and livelihood, 16th, Dec,2010
- w. International seminar of ecology and environmental sciences, 16-17, feb,2012, assam univ.
- x. International seminar on biodiversity, at assam university, 16-17, march, 2012

Educational & Administrative Experience:

- Working as Founder Vice Chancellor of Bilaspur University, Chhattisgarh, 2012 continuing
- Worked as Pro-Vice-Chancellor in Assam University since July 2007-March 2012 and Dean, Life Sciences since May 2006-May, 2012.
- Chairman, Administrative, Academic & Financial Reforms Committee, AUS, 2007-2010.
- Vice-Chancellor of Nagaland University since July 2001 to April, 2006
- Founder Dean for more than 5 years and 3 years as Founder Head, Department of Life Science, Assam University, Silchar.
- Chairman of Academic Bodies like School Board, Board of Post Graduate Studies, Board of Undergraduate Studies of Assam University and member of BPGS of other Universities.
- Member of decision and policy making bodies like Planning Board, Court, Executive Council, Academic Council and Finance Committee of Assam University.
- Chairman of Executive Council, Academic Council, Planning Board and Court of Nagaland University.
- Warden for 2 years in NEHU (1984-1986)
- Founder Secretary of NEHU Book Coop. Society, Joint Secretary of NEHUTA.
- Acting VC of Assam University, May & June, 2000.
- Member of Executive Committee of Indian Inst of Mass Comm.(IIMC), nominated by the Ministry of Information and Broadcasting, 2002-2004
- Member of Research Council, CSIR, Jorhat, 2004-07, 2011-14) nominated by Ministry, S&T, India
- Member of Indian Association of Social Sciences, New Delhi, 2003-2005.
- Member of Technical Advisory Committee, Institute of Applied Manpower Research, New Delhi.
- Chairman, NAAC, Committee on Quality Assessment and Accreditation of Higher Education.
- Biography appeared in Who's Who in World, USA
- International men of the year 2007.
- Chairman, IX Plan, UGC Visiting Committee to Burdwan Univ. & Jadavpur Univ., 2008.
- Chairman, NAAC Visiting teams to various Universities and Colleges in India.

Impact factor of some important journals in which research papers published

1. The New Phytologist, U.K.

- 6.03

2. Mutation Research, USA*	- 3.5 x 3	- 10.50
3. Pedobiologia, Germany		- 2.4
4. Sydlowia, Austria		- 0.556
5. Soil Biology & Biochemistry, UK*	- 3.56 x 4	- 14.28
6. Biology & Fertility of Soil, Germany		- 1.75
7. European Journal of Soil Biology, UK		- 1.44
8. Folia Microbiologia, Czech		- 0.989
9. Canadian journal of Microbiology, Canada		- 1.286
10. Mutagenesis, USA		- 3.54
11. Current Science, India	- 0.76 x 5	- 3.80
12. Experientia, Switzerland		- 0.5
13. Acta Mycologia, Poland		- 0.5
14. Cytologia, Japan		- 0.22
15. National Academy of Science, India	- .17x4	- 0.68
16. European Journal of Soil Biology, France		- 1.24
17. Indian Journal Agri. Science		- 0.122
18. African Journal of Biotechnology		- 0.54
19. African Jour. of Microbiology. Res.		- 0.409
20. Industrial Crops and Products, USA		- 2.348
21. Journal of Scientific & Industrial Research		- 0.3
22. Acta Physiologia Plantarum		1.23
23. Environmental and Molecular Mutagenesis (Wiley)		2.86
24. Indian journal of Microbiology (Springer) x 3		2.7
25. Aquatic Toxicology USA		3.88
26. Ecotoxicology USA		3.1
26. BMC Complementary & Alternative Medicine, USA		2.20
27. Plant Physiology & Biochemistry, Elsevier, USA		3.01
28. Environmental Contamination & Toxicology, USA		1.2
29. journal of plant biochem and biotech		0.5
30. Asian jour, pharmaceutical and clinical research x2		1.4
31. African journal of Agricultural Research		.08
	Total-----	74.5

Journals in which papers are published (Prof. G.D. Sharma)

1. The New Phytologist, U.K.
2. Pedobiologia Germany (West)
3. Mutation Research, USA
4. Sydowia, Austria
5. Experientia, Switzerland
6. Soil, Biology and Biochemistry, U.K.
7. Biology and Fertility of Soil, Germany (West)
8. European Journal of Soil Biology, France
9. Folia Microbiologia, Czechoslovakia
10. Acta Mycologia, Poland
11. Proceeding of Int. Found Sci. Sweden
12. Canadian Journal of Microbiology, Canada
13. Cytologia, Japan
14. Mutagenesis, USA
15. Plant Physiology and Biochemistry, USA
16. Journal of Plant Science, USA
17. Industrial crops and Products, USA
18. Journal of Scientific and Industrial Research, USA
19. Acta Physiologiae plantarum, Springer, USA
20. Environmental and Molecular Mutagenesis, (Wiley), USA
21. Acta Botanica Hungarica, Hungary
22. African Journal of Biotechnology

23. African Journal of Microbiological Research
24. Industrial Crops and Products, USA
25. Aquatic Toxicology, USA
26. BMC Complementary and Alternative Medicine, USA
27. Ecotoxicology, USA and Environmental Toxicology, USA
28. Ecoprint, an International Journal of Ecology, Nepal
29. Asian Journal of Microbiology, Biotechnology and Environmental Sciences, India.
30. National Academy of Science, India.
31. Current Science, India
32. Acta Botanica India, India
33. Indian Phyto-pathology, India
34. Journal of Indian Botanical Society, India
35. Science and Culture, India
36. Hill Geographer, India
37. Journal of Tree Science, India
38. Journal of Meghalaya Science Society, India
39. Indian National Science Academy, India
40. Indian Forester, India.
41. Indian Journal of Botany, India
42. Journal of Environmental Science, India
43. Advances in Plant Science, India
44. Academy of Science, India.
45. Journal of Science Res. India.
46. Journal of Orchid Society of India
47. Journal of Soil Biol & Ecol. India
48. Tropical Ecology, India
49. Journal of Assam University, India
50. Journal of Hill Research, India
51. Indian Journal Mycol. Pathology, India
52. Indian Journal Plant Genetic Resources, (ICAR), India
53. Assam University Jour.of Science and Technology, India
54. Journal of Economic & Taxonomic Botany, India.
55. Indian Journal of Traditional Knowledge, India.
56. Indian Journal of Agri. Science, India.
57. International Journal of Plant Sciences, India.
58. Geobios, India.
59. Indian Journal of Pollution Research.
60. Pure and Applied Microbiology
61. Indian Journal of Microbiology

**MAJOR ACHIEVEMENTS DURING THE TENURE OF VICE-CHANCELLOR
OF NAGALAND UNIVERSITY, PROF. G.D. SHARMA, (2001-06)**

A. Academic:

- Revision of all Graduates and Post graduates courses syllabi as National Curricula of UGC
- Completion of NAAC assessment and accreditation for Quality Education
- Preparation of Vision 2020
- Increase of Post graduate students from 750 to 1200
- Increase of PhD scholars from 50 to 200
- Launching of Joint PG Diploma in Mass Communication of NU and IIMC, New Delhi
- Increase of UGC NET examine and establishment of UGC NET Centre at NU
- 40 Research Projects sanctioned by various Funding Agencies
- Sanction of 3 FIST from DST, New Delhi and one Special Assistance Programme by the UGC
- First Convocation after 9 years with former Hon'ble PM of India, Shri Atal Bihari Vajpayee
- Establishment and implementation of research collaborative programme with International Potato Research Centre (Peru/Delhi)

- Award of 4 US Patents and best research paper to two lady teachers of the University
- Visits by National and International visiting Professors
- Production of Text Books and Reference Books by the University
- Launching of Research journal of the University in 2001
- Establishment of Centres on Women Studies, Gandhi Peace Study, Tribal Study, Biodiversity and Computer Centre
- Holding frequent meetings of Academic Statutory Bodies
- Initiation of Exchange of students with other Universities under AIU
- More youth and sports activities with AIU collaboration
- Launching of Rural Agricultural Work Experience (RAWEX), for agricultural graduates for 3 months to transfer knowledge to tribal village farmers
- Initiation of Farmers – Scientists meet with University teachers.
- Automation of Library, e-Journal facility under INFLIBNET
- Internet facility for Teachers and students initiated
- Autonomous status to one of its affiliated college by the UGC for the first time in North East India
- Initiation of Campus Placement
- Preparation of DPR for the establishment of Institute of Engineering and Institute of Management
- Initiation of work on EDUSAT programme.

B. Administrative and Financial:

- Reformation of Examination and its Automation
- Initiation of Networking of three campuses of the University
- Finalisation of Land Deeds of Lumami Hqr. & allotment of land at Kohima campus Merima village
- Frequent holding of meetings various statutory bodies
- Training for Officers and Staff members for their upgradation of knowledge and skill
- Participatory approach of management through committees and enhancement of transparency
- Completion of Accounting and Auditing upto 2003 to 2004 from nil
- Completion of GPF accounting
- Transparency and accountability in administrative and academic matters

C. Infra-structure:

Special Funds under PM package of Rs. 45 crores for Infra-structure development & implementation through a Central Agency, NBCC

- Implementation of infra-structure under PM package (Devi Gowda) and NLCPR package
- Development Funds for SC/ST students from Ministry of Social Justice and Empowerment
- Development Funds from Min. of Agric. Delhi for improvement of quality of Agriculture Education
- Initiation of Establishment of Engineering and Management Institutes in the University
- Establishment of Botanical Garden for Conservation of rare and endangered plant species under Ministry of Environment and Forest, New Delhi
- Established facility for Fish Breeding and Training facility under DBT, Ministry of Science and Technology, New Delhi.

LIST OF PUBLICATIONS OF PROFESSOR G.D.SHARMA

1. Mishra, R.R. and Sharma G.D. 1977, Ecology of soil Fungi: Population variation in relation to cover vegetation and soil factors. *Sydowia (Austria)* 30. 130-140.
2. Mishra, R.R. and Sharma G.D. 1979. Distribution of Endogonaceae in a Sub-tropical humid forest of Meghalaya. *Nat. Acad. Sci. India, Special volume on environment*, 61- 66.
3. Mishra, R.R. Sharma G.D. and Gatpoh ,A.R. 1980.Mycorrhizae in ferns of North Eastern. Region of India. *Proc. Indian Nat. Sci. Acad.* B46, 546-551.
4. Mishra, R.R., and Sharma G.D. 1980. Report on root nodule formation in *Eupatorium* sp. *Current Science* 46, 444-447.
5. Mishra, R.R., and Sharma G.D. 1980. Report on root nodule formation in *Crossocephalum*. *Acta Botanica Indica*, 8, 253 - 255.
6. Mishra, R.R, and Sharma G.D. and Karsyntiew, LB 1981. Response of inoculum density of vesicular arbuscular mycorrhizae on maize (*Zea maize*) plants. *Experientia (Switzerland)*, 37, 568 — 569.
7. Sharma G.D. 1981. Effect of fire on soil microorganisms in pine forest of Meghalaya. *Folia Microbiologia (Czechoslovakia)* 9, 321 -327.
8. Mishra, R.R. Sharma G.D. Tiwari, B.K. 1981. Report of *Fusarium* wilt on *Pinus kesiya* Royle. *Current Science* 50, 30.
9. Tiwari, B.K. and Sharma. G.D. 1981. Seed mycoflora of eleven tree species of North East India. *Indian Phytopathology*. 34, 83.
10. Sharma G.D. and Tiwari,B.K. 1981. Leaf surface mycoflora of healthy and diseased (*Phytophthora infestans*) *Solanum khasianum*. *Acta Botanica Indica*, 9,233-237.
11. Sharma G.D. and Mishra, R.R. 1981. Effect of jhuming on mycorrhiza in four communities. *Jour. Indian Bot. Soc.* 56, 20-21.
12. Sharma G.D. and Mishra R.R. 1981. Myconhizal fungi in forest ecosystem. In *Development without Destruction*. Forest Department. Pubi., Government of Meghalaya. pp. 50—60.
13. Mishra, R.R. and Sharma G.D. 1981. Studies on Mycorrhizal association of *Pinus kesiya*. *Jour. Indian Bot. Soc.* 60, 168- 171.
14. Reddy, MV. and Sharma G.D. 1981. Some observation on the aphid mycorthizal association. *Science and Culture*, 47, 339-344).
15. Sharma G.D. 1981. Influence of mycorrhizal development stage and plant age on rhizosphere microflora of pine, *Acta Mycologia, (Poland)* 17, 45-51.
16. Sharma GD. and Mishra, R.R. 1982. Mycorrhizal association in gymnosperms of Meghalaya. *Acts Botanica Indica*. 10, 43-49.
17. Chaubal, R, Sharma G.D. and Mishra,R.R. 1982. Vesicular arbuscular Mycorrhizal in aquatic plant communities. *Proc. Aca. Sci.* 69-77. 1982.
18. Mishra, R.R. and Sharma G.D. 1982. Status of Mycorrhizal fungi in subtropical pine forest community. *Proc. I.F.S.(Sweden) Serdang*, 236 - 249.

19. Sharma G.D., Tiwari, B.K., Saxena, K.G. Verma, N.K. and Mishra, R.R. 1982. Mycorrhize and soil microbial characters of influenced by shifting cultivation Proc. Int Found. Sci. (Sweden), Serdang, Malayasia, 408- 415.
20. Sharma G.D. 1983. Influence of Jhuming on the structure of function of microorganisms in forested ecosystem. Hill Geographer. 2, 1 - 11.
21. Sharma G.D. and Mishra R.R. 1984. Mycorrhizal in forestry. Resource Potential North East: Living Resources (ed. Tripathi, R S.) Vol. 2, 1 - 11.
22. Sharma S.K., Sharma G.D. and Mishra R.R 1984. Endogonaceous mycorrhizal fungi in the Subtropical evergreen forest of North East India Jour. Tree Sci. , 3. 10— 14.
23. Raghuvanshi, A.N., Mishra R. R., Tandan, P., and Sharma G.D. 1985. Studies on asymbiotic seed germination of orchid seeds. Jour. Meghalaya Sci. 7 & 8, 1 - 5.
24. Mishra, R.R. and, Sharma GD. 1985. Studies on fungal association with Orchids: physiological and biochemical factors that influence germination, growth and development of orchids. In Proc. Workshop on plant physiology & Biochem (Madurai) 55-61.
25. Raghuvanshi, A.N., Mishra. R.R. and Sharma G.D. 1985. Effect of Synthetic media on asymbiotic seed germination and seedling growth of *Dendrobium nobile* and *Sarcanthus pallidus*. Proc. Indian Nat. Sci. Acad. B51, 360-363.
26. Sharma G.D. Mishra R.R. and Lyngdoh, W.R. 1985. Influence of Fungicides on the mycorrhiza of pine (*Pinus kesiya* ex Gordon). Acta Mycologia (Poland) 21, 91-100.
27. Katiyar R.S., Sharma G.D. and Mishra, R.R. 1986. Effect of organic supplements on the seedling growth of an endangered orchid species. *Coelogyne punctulata*. Indian Jour. Bot. Soc. 9, 77-79.
28. Sharma GD. and Mishra R.R. 1986. Status of mycoorhiza in subtropical forest ecosystem of Meghalaya (India). Acta Botanica Indica 14, 87-92.
29. Katiyar R.S. Sharma G.D. and Mishra, R.R. 1987. Asymbiotic seed germination and seedling development of *Coelogyne punctulata* and *Aerides multiflora*. Indian forester 113, 574-577.
30. Katiyar R.S., Sharma G.D. and Mishra, R.R. 1986. Mycorrhizal infection of epiphytic orchids in tropical forest of Meghalaya (India). Jour. Indian Bot. Soc. 65, 329-334.
31. Katiyar R.S., Sharma G.D. and Mishra. R.R 1986. Studies on mycorrhizal association of terrestrial orchids. In Biology, Conservation and culture of Orchids (ed. Vij., S.P.) A.affiliated East West Press Private Ltd. Chandigarh. Pp 63-70, 1986.
32. Sharma S.K., and Sharma G.D. and Mishra R.R. 1986. Records on *Acaulospora* spp from India, Current Science 55. 77-79.
33. Sharma S.K., Sharma G.D. and Mishra R.R. 1987. Endogonaceae in subtropical forest of North east India. Jour. Indian Bot. Soc. 66, 266-268.
34. Raghuvanshi, A.N., Mishra, R.R. and Sharma G.D. 1986. Effect of ph on an asymbiotic seed germination and seedling development of orchids. In: Biology, Conservation and Culture of Orchids (ed Vij,S.P.) Affiliated East West Press Pvt. Ltd. PP. 453-462.
35. Raghuvanshi, A.N., Mishra, R.R. and Sharma G.D. 1986. Effect of ph on seed gennination and seedling development of *Dendrobium* (Wild). Jour. Environ, Sci. 2, 53-62.
36. Dutta, B. and Sharma G.D. 1988. A report on fusarial wilt of *Cassia fistula* Linn. Adv. P1. Sci. 390-391.

37. Katiyar R.S., Sharma G.D. and Mishra, R.R. 1989. Infection efficiency of some Rhizoctonia strains in orchid mycorrhiza. In Current Trend in Environmental Biology (R.R. Mislira & K. Chatterjee), John Wiley Pubi. Culcutta pp 114-126.
38. Dutta, B. and Shanna G.D. 1989. Report on soft rot of Duabanga grandiflora seedling (Roxb. Ex. Waic). Current Science, 58,574-575.
39. Jyrwa, S. and Sharma G.D. 1989. VAM., phosphatase. Dehydrogenase and nitrification in root region of paddy under different agricultural practices. In: Mycorrhiza for Green Asia (eds Mahadevan, A., Raman, N. and Natarajan, K) Chennai PP. 142-144.
40. Rao, C.S. and Sharma G.D. 1989. Seasonal variation in enzyme activities in the ectomycorrhizal root region of Pintis kesiya. In: Mycorrhiza for Green Asia (Eds. Mahadevan, A. Raman, N. and Natarajan, K) Channai PP. 159-161.
41. Sharma G.D. and Mishra R.R. 1989. Isolation techniques, maintains and measurement of post infectioq efficiency of mycorrhiza in orchids. In: mycorrhiza for Green Asia (Eds. Mahadevan. A. Raman, N. and Natarajan, K) Channai PP. 235-237.
42. Sharma G.D. and Mishra R.R. 1989. Production of mass inoculum and inoculation technique for ectomycorrhizal fungi. In: Myconiiiiza for Green Asia. Proc. First Asian Conf On mycorrhiza (Eds. Mahadevan, A. Raman, N. and Natarajan, K) Channai, PP. 319-321.
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