

CURRICULUM –VITAE



Name	PROFESSOR (DR.) GAURI DUTT SHARMA
Address	Vice Chancellor, University of Science and Technology Meghalaya, Ri-Bhoi-793101(Former Vice-Chancellor, Atal Bihari Vajpayee Vishwavidyalaya, Chhattisgarh, Former Vice Chancellor, Nagaland University and Pro-Vice Chancellor, Assam University) Mobile – 09406218401 E-mail: gduttasharma@yahoo.co.in
Sex	Male
Date of Birth	1 st October 1950
Nationality	Indian
Employment	40 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, Pondechery 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, Banglore
Fellowship of Academic Society	<ol style="list-style-type: none">1. Royal Society, London, UK & INSA, India under exchange programme.2. Fellow of Indian Mycological Soc. 2009 (FIMS)3. Fellow of Indian Botanical Soc.(FBS)4. Fellow of International Natural Resource and Envi. Soc. (FINRES)
Other Training	<ol style="list-style-type: none">1. Educational Administrative Training for VC and senior Administrator, Hyderabad, 2008.2. Training on VA Mycorrhiza , University of Sheffield, U.K. 1991.3. Training on Use of Radioisotopes in Agr. & Biol. NRL, IARI, Delhi, 1989.4. Training on Mycorrhiza, IFS, Sweden at Univ. Serdang, Malaysia, 1982
Awards/honours	<ol style="list-style-type: none">1. Dr. Narsimhan Medal award by Indian Phytopathol. Soc. In 1993 for best research Paper.2. Rashtriya Ratna Award, International Study Center, 2003.3. DEED Award by Confederation of Indian Univs, IAewa Affiliated to UNESCO SOC, UNESCO, 2004.4. Birbal Sahni Award By Indian Bot. Soc. 20105. S.K. Barua Memorial Lecture at Calcutta Univ. 2009.6. CSIR Foundation Day Lecture at NEIST, Jorhat, 20097. Foundation Day Lecture, Dibrugarh Univ. 20058. Education Excellency Award by CCLP Worldwide, Dec. 20109. Vidya Ratan National Samman 2015 By All India Higher Research Sanskrit, Raibareli10. Outstanding Educational contribution Award by CMAI, New Delhi 2015 at National Chhattisgarh Education Summit11. Swami Vivekanand Excellence Award by International Institute of Oriental in March 2019
Countries visited	USA, UK, Canada, Japan, Malaysia, Singapore, Thailand, Myanmar, China
Research Publication	347
Patent	One Indian patent filed on Bamboo nuggets Jan.2013

Book(s) edited/authored

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
12. The Handbook of Microbial Bioresources Publ CABI 2016 ISBN9781780645216
13. Fungal Biotechnology and Bioengineering, Springer-Nature. ISBN 978-3-030-41869-4

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
4. Member of Board of Editors 8th edition of International Directory of Distinguished Leadership, Marquis Who's Who USA 1998
5. Consulting Editor, American Biographic Inst, SA, 2003
6. Internat. Journal of Science & Technology of AUS. (2008,2009,2010,2011,2012)
7. 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
10. Science Trial Organisation of Assam
11. National Academy of Science
12. **Patron of Human Right , S.Assam**
13. 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) | 9. Environ Manag <u>14</u> , 131 (1990) |
| 2. Rev. Plant Pathol, U.K. (1992) | 10. Aquat Bot <u>36</u> , 287 (1990) |
| 3. Oikos Supplement (1984) | 11. Aquat Bot <u>41</u> , 41 (1991) |
| 4. Acta Botanica Indica (1984, 1986.1992) | 12. Mycorrhiza <u>3</u> , 123 (1993) |
| 5. Acta Botanica Indica (1986) | 13. Mycorrhiza 4 265 (1994) |
| 6. Acta Botanica Indica (1992) | 14. J.Ecol 84 703 (1996) |

7. *Acta Mycologia* (1995),
8. *Rev. Plant Pathol*, U.K. (1984)
17. *Rev. Plant Pathol*, U.K. (1992)
18. *Bio-Science*, USA (1989)
19. *Soil Biol Biochem*, U.K. (1992)
20. *Soil Biol Biochem*, U.K. (1993)
21. *Soil Biol Fertility*, Germany (1992)
22. *Canadian Journ. Of Botany*, Canada(1997)
23. *The New Phytologist*, U.K. (1995, vol. 129,317)
24. *Canadian Journ. Of Microbiology* (1997)
25. *European Jour of Soil Biol*, France (1996)
26. *Mycorrhizal Symbiosis* (Smithand Read), Acad. Press, London, New York,1998
27. *Advance in Microbial Ecology* (Rai & Dkhar), 1998
28. *Soil Microbiology* (RR Mishra) New Delhi, 1997
29. *Microbiology* (S.C. Dubey & D.K. Maheshwary) New Delhi, 1999
30. *Environmental Pollution UK* 106,169 (1999)
31. *Applied Soil Ecology*, UK,14,71,72 (2000)
32. *Soil Biol. And Biochem UK*,31,9 (1999)
33. *Soil Biol. And Biochem UK*, 31, 769 (1999)
34. *Soil Biol. And Biochem UK*, 32 1847 (2000)
35. *Soil Biol. And Biochem UK*, 33,322, (2001)
36. *Biology & Fertility of Soil*, Germany, 27430, (1998)
37. *Biol. & Fert. Germany*, 36,497, 4975(1999)
38. *Soil Science Society*, 63,629(1999)
39. *Soil Science & Plants* 45,803 (1999)
40. *Sweden journal of Agricultural Research*,28 117 (1998)
41. *Soil Biol & Biochem*. 31,9 (1999)
42. *Soil Biol & Biochem*. 29, 171 (1997)
43. *Journal of Appl. Microbiolog* 89,78 (2000)
44. *Canadian Journal of Soil* 77, 579 (1997)
45. *Journal of Environmental Quality* 27,1268 (1998)
46. *Soil Science & Plants* 64,93 (1998)
47. *Pedobiologia*, Germany, 30 (2)137 (1998)
48. *Canadian Journal of Microbiology* 43,85 (1997)
49. *Plant and Soil*, The Netherland 189,32 (1997)
50. *Plant and Soil*, The Netherland 92,387 (1987)
51. *Soil Biol and Biochem*. UK,28,1073 (1996)
52. *New Phytologist*, UK,131,4531 (1995)
53. *New Phytologist*, UK,123,307 (1993)
54. *Physiol Str.* 185k,57 (1994)
15. *Hydrobiologia* 342 35 (1997)
16. *Plant Soil* 191 1 (1997)
57. *Limnol Oceanogr* 43 508 (1998)
58. *Aquat Bot* 63 261 (1999)
59. *Mycol Res* 108 616 (2004)
60. *Appl. Soil Ecol* 14, 71, (2000)
61. *Soil Biol Biochem* 35, 837 (2003)
62. *Soil Sci Soc AMJ* 68 125 (2004)
63. *Environ Pollut* 86, 2001 (1994)
64. *Appl Env Microb* 71, 5560 (2005)
65. *Appl. Env. Microb* 71, 5560 (2005)
66. *Soil Biol Biochem* 26, 871(1994)
67. *Soil Biol Biochem* 26, 871(1994)
68. *Can J Soil Sci* 77, 579 (1997)
69. *Biol Fert Soil* 27, 430, 1998, 86.J. *Environ Qual* 27, 1268, (1998)
70. *Biol Fert Soil* 86.J. *Environ Qual* 27, 1268, (1998)
71. *Soil Sci Plant Nutr* 44, 93 (1998)
72. *Soil Biol Biochem* 31, 769 (1999)
73. *Soil Sci Plant Nutr* 45, 89 (1999)
74. *Soil Sci Soc AMJ* 63,629 (1999)
75. *J.Appl Microbiol* 89, 178 (2000)
76. *Soil Sci Plant Nutr* 47, 477 (2001)
77. *Common Soil Sci Plan* 33, 3745 (2002)
78. *Soil Biol Biochem* 34, 1157 (2002)
79. *Aqr Ecosys Environ* 100, 3 (2003)
80. *Soil Sci Soc AMJ* 67 1250 (2003)
81. *Int J Sust Dev World* 11 298, 2008-09-18,
82. *Symbioses* 17, 237 (1994)
83. *Plant Soil* 170,5, (1995)
84. *Swed J Agr Res* 28, 11 (1998)
85. *Plant Growth Regulation* 35, 97 (2001)
86. *Forest Ecol Manag* 170,307 (2002)
87. *Appl Soil Ecol* 19,13 (2002)
88. *New Phytol* 153,43 (2003)
89. *New Forest* 25, 125 (2003)
90. *Plant Soil* 254,179 (2003)
91. *Symbiosis* 36, 69 (2004)
92. *Chemosphere* 60, 1462 (2005)
93. *Soil Biol Biochem* 31,9 (1999)
94. *Soil Biol Biochem* 32,1847 (2000)

55. Environ. Jour. Of Soil USA,30(1)25 (1994)
56. European Journ of Soil, France 30,11 (1994)
97. Pedobiologia, Germany,38,125 (1994)
98. Soil Biol Biochem. UK,25,1763 (1993)
99. New Phytologist, UK, 98, 441 (1985)
100. New Phytologist, UK,108,745 (1987)
101. Mycotaxon, USA,26,473 (1986)
102. Oecologia, France, 68,241 (1986)
103. Plant and Soil, The Netherland, 101,121 (1987)
104. Canadian Journal of Forestry, 17,929 (1987)
105. Proc. Acad of Science India, (P1) (1982)
106. Acta Botanica Indica, 10,43 (1982)
107. Mycotaxon, USA,27 (1986)
108. Plant & Soil 80,105(1984)
109. Biol Fert Soil 12, 272 (1992)
110. Soil Biol Biochem 24, 265 (1992)
111. Pedo biologia 38, 125 (1994)
112. New Phytol 106, 745 (1987)
113. Mycorrhiza 3, 123 (1993)
114. Can. J. Bot 73, 991 (1995)
115. Curr Sci, India 77, 1095 (1999)
116. In VITRO Cell Dev AN 37, 158 (2001)
117. Mycorrhiza 15, 121 (2005)
118. P. Indrani AS-Chem Sci 91, 69 (1982)
119. Canadian J. Forest Res 23, 1275 (1993)
120. Appl. Environ Microb 71, 2713 (2005)
121. Aquat Bot 19, 251 (1984)
122. TR British Mycologic 05, 683 (1985)
123. Canadian J Botany-J-CA 65,419 (1987)
124. Forest Ecology & Management (2002), Elsevier.
125. Acta Botanica Hungarica 49 (3-4), 319-328 (2007).
126. Agrobiol sggw waw. Pl. vol 3 (1),45-59 (2008).
127. Metla. Eu (2005).
128. Journal of Nanjing Forestry Univ. vol. 129 (6), 2005.
129. Biotechnology of VAM : Indian Scenario (S. Chandra & K.K. Kehri), 2006.
130. Plant & Soil 80, 105 (1984).
131. Mycorrhiza (Cazares, E, Trappe, J.M., 1993), Springer.
132. Handbook of applied Mycology (Paulitz, T.C. and Linderman, R.G.), 1991.
133. Studies in Mycology. Org (2005).
134. Canadian J. Forest res. (2004. Article. Pubs. Nrc- enr.gc.ca).
135. Mycorrhiza (2006), Springer.
136. The Mycorrhizal : Diversity, Ecology and Applications (2007) 87 – 101.
95. Appl Soil Ecol 14,71 (2001)
96. Phyto pathology 91, 47 (2001)
139. Soil Biol Biochem 33,311 (2001)
140. Redobiologia 42,23 (1998)
141. Biol Fert Soils 30,117 (1999)
142. Biol Fert Soils 31,102 (2000)
143. Biol Rev 77,455 (2002)
144. Ecography 24,181 (2001)
145. Microbiol Mol Biol 66,592 (2002)
146. Mycol Res 106,74 (2002)
147. Mycotaxon 88,249 (2003)
148. Plant Ecol 171,35 (2004)
149. J.Exp Bot 56 175 (2005)
150. Mutat Res-Gen Tox En 520,125 (2002)
151. Mutat Res-Gen Tox EN 519, 75 (2002)
152. Genomics 82,596 (2003)
153. Int. J.Oncol 23,697 (2003)
154. Mutat res-Fund Nol M 526,9 (2003)
155. Mutagenesis 18,53 (2003)
156. Toxicology 185 89 (2003)
157. Environ Toxicol Chem 23,2868 (2004)
158. Rus J Genet 40,1300 (2004)
159. Mutagenesis 18 53 (2003)
160. AM J Epidemiol 162,858 (2005)
161. Toxicology 203 49 (2004)
162. Toxicol Sci 85, 615 (2005)
163. Arch Toxicol 79 169 (2005)
164. Medicinal Plant of Nagaland(2007) Bishen Singh.
165. Microbiology (eds. Tsavelova, Lobakova, Kolomeitseva), Springer, 2003.
166. Ecological Research (2008), Springer.
167. Plant and Soil (2008), Springer.
168. In vitro Cellular and Developmental Biology-Plant (2001 – M.K. Rai), Springer.
169. Mycorrhiza, 2005, Springer.
170. Mycorrhizal Biology (2000) (R.C. Gupta, K.G. Mukherji).
171. Archives of Phytopathology & Plant Protection (1998).
172. Toxicology (2004) – Elsevier.
173. Toxicological Sciences, 2005, soc. Toxicology
174. Mut. Res. Enetic toxicology and env. Mutagenesis, 2008 – Elsevier.
175. Environmental and Molecular Mutagenesis, 2009, Inter-Science, wiley.com.
176. Jour. North West Sci. Tech Univ. of Agri & For. Nat. Sci. Ed. 2006.
177. Acta Media Okayama (2006) lib. Okayama-u.ac.jp.
178. Microorganisms in Plant diversity conservation, 2002, Springer.

137. Forestry (2006).
138. J. Natn. Sci. Foundation Sri Lanka 33 (2) 81 – 91 (2005).
181. Acta Ecologica Sinica (2007) Elsevier.
182. Biological Reviews (2002) Cambridge Univ. Press.
183. Biol. Fert. Of soils (2000), Springer.
184. Chinese J. of Ecology (2005), 24 (4), 422– 27.
185. Journal of Fac. Of Agric. OMU, 2007, omu.edu.tr.
186. Environmental Science, vol. 27 (8), 2006, 2.
187. Environmental International, 2004, Elsevier.
188. Applied and Environmental Microbiology (2005), Am. Soc. Microbiol.
189. The Journal of Microbiology (2004), 285 – 291, vol. 42 (4).
190. Intestinal Microbiota of terrestrial ISopods (Eupnik & Drobne), Springer, 2006.
191. Ekologic.upol.c2.
192. Mutation Research w3.gazi.edu.tr (2006).
193. Mutation Res. – Genetic Toxicology and env. Mutgenesis (2006), Elsevier.
194. Russian Journ. Of Genetics (2008), Springer.
195. Soil Biol. & Biochemistry (2006), Elsevier.
196. Ecological Applications (2007), Eco. Soc. America.
197. Intl. Rev. of Hydrobiology (2006), Interscience. Wiley.com
198. Mycorrhiza Biology (2000) – Mukherjee & gupta.books.google.com
199. Global change Biology – Inter-science. Wiley. Com
200. Plant & soil, 189, 321-329 (1997), Kl.Acad. Press.
201. Soil Biol Booche (2000) Elsevier
202. Enzymes in the env. Activity, (2002), Ecology. Books.google.com
203. Soil Sci. Soc. Am. Journal (2004) Soil Sci.soc. America
204. Applied Soil Ecology (2000) Elsevier
205. Biol. Fert of soil (1992), Springer.
206. Journ. of Archaeological sci. (2004), Elsevier.
207. Europ. J. Soil Biol. (2001), Elsevier.
208. Revista chilena de historia natural (2001), sci
209. Acto Ecologica Sinica vol. 24 (12), 2004.
210. Boreal Environ. Res (2001), borenv.net
211. Polish Journ. Of Natural Sci (2008), Verseta.
212. Frontiers of Forestry in China (2009), Springer.
213. Acta Botnica Brasilica (2001), sciElo Brasil.
214. Journ. of Plant Nutr. And Soil Sci 2001, Inter-science, wiley.com
215. Soil Ecology Res. Dev. (2008) books.google.com
216. Soil Biol Biochem 28 (8) 1073 – 1081 (1996), Elsevier.
217. Soil Biol Biochem (2001).
218. Phytopathology (2001), Am. Phytopath society
179. Journ. Of Forestry (2006), Springer, 17 (3), 201-205.
180. J. Forestry, 2007, cq.vip.com
222. Environmental Pollution, 1999, Elsevier.
223. Mycorrhiza Technology in Agriculture, From Genes to books google.com (Gianinazzi, S, Scuepp, H., Barua, J.M. and Masdwardter, K), 2002.
224. Appl. Env. Microbiology (2005) A. Soc. Microbial (Snelling et. Al.)
225. Soil microorganisms, mycorrhiza and restoration ecology.
226. Z. Filip. Um. Schand. Fors. (1995), Springer.
227. Biosmart – uns journals. Com
228. Freshwater Biology (2006) interscience.wiley.com
229. Journal of Ecology (1996) jstor.org.
230. Mycorrhiza (1993) – Springer.
231. Hydrobiologia (1997) – Springer.
232. Plant & Soil (1997) 191, 1-12. Kluwar Acad. Press.
233. Limnology and Oceanography (1998). Jstor.org.
234. Mycology research, 2004, Cambridge Univ. Press.
235. Aquatic Botany (1999) – Elsevier.
236. Plant Growth Regulation (2001), Springer
237. New Forests (2003), Springer
238. Folia Geobotanica (1996), Springer
239. Plant & soil, 1-8 (2002).
240. Res. Journ. Of Agric & Biol. Sci (2008), insinet.net
241. Proc. Ind.netn. sci.Acad.B 66 (485) 223-238 (2000).
242. Soil Biol Biochem (1999), Elsevier
243. Biol. Fertility of Soil (1998), Springer
244. Plant and Soil (1995), Springer
245. Soil Sci.soc.Am.Journ. (2003), soil sci. soc.America.
246. Land Degradation & Dev. (2001), inter-science.wiley.com
247. Journ. Appl. Microbial (2000) Inter-science, wiley.com
248. Pedosphere (2006), Elsevier.
249. Scientia Agricola (2004), Sci Elo Brasil.
250. International Agrophysics (2000) ia.ipaw.lublin.pl
251. Agriscientia (2003) crean.org.ar
252. Ecological Res. (2006), Springer
253. Journ. of Anhui. A. Sci. 34 (1) 103-105, 2006.
254. Journ. of For. Res. (2006), Springer
255. Comm. in Soil Sciences & Sl. Analysis (2002). Informworld.com
256. Comm.in.oil. sci. & Pl. Analysis (2008) informworld.com
257. Pcbiol. Posgrado.unam.mx
258. Europ. Journ. Soil. Biol (2008), Elsevier
259. Soil Mineral-Microb-org. Inter.thred (2008) google.com

219. Plant & soil (1995), Springer.
 220. New Phytologist (1995), istory.org.
 221. Acid Land Res. & Manag. (2001) Informaworld.com
 263. New Phytologist (2002), istory.org.
 264. Forest Ecol. & Manag, (2002) Elsevier
 265. Applied Soil Ecol (2002), Elsevier.
 266. Plant & Soil, 254, 179-186 (2003).
 260. Acid Land Res. & Manag (2006) Informaworld.com
 261. Google.equip.com (2006).
 262. 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 Mycorrhiza, today & tomorrow Publ., New Delhi (2010)
 270. Integrated Pest Management, Swastic Publ., New Delhi (2010).

Total citation of Papers as per Scholar: 1300

Research guiding experience 36 years

- a) Students supervised for Ph.D. 53
 b) Students supervised for M.Phil. 5
 c) Students working for Ph.D. 04
 d) Post Doctoral Fellow worked 5

Working Experience in reverse order

Post held	Employer	Name of work	From	To
Founder Vice-Chancellor	Bilaspur University	Educational and Administration	June, 2012	Continuing
Pro-Vice-Chancellor	Assam University	Educational and Administration	July, 2007	March, 2012
Professor & Dean, Life Sciences	Assam University	Teaching, Research & Administration	April, 2006	May, 2012
Vice-Chancellor	Nagaland central University, Kohima	Educational and Administration	July 2001	April, 2006
Dean and Professor	Assam Central University, Silchar	Teaching PG, M.Phil & Research and Administration	June 1996	June 2001
Professor & Head	School of Life Sciences, Assam Uni	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

List of Ph.D. students supervised

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 (Pinus kasiya 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 (Pinus kasiya 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 8aradis 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 Frankia alni 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 & Frankia 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 <i>Curcuma longa</i> , <i>Zingiber officinale</i> and <i>Tinospora cordifolia</i> in CCl4 intoxicated male albino mice. Assam Univ.	2012
24.	Sneha Gang	24 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 (<i>Oryza sativa</i> L.) 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	Epidemiological Investigation of <i>Candida</i> 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 (<i>Oryxa sativa</i> L.)	2013
31.	Alka	Microbiological studies in fermentation of different varieties of <i>Musa 8aradisiacal</i> of South Assam submitted	2014
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	2014

		mercury) on reproductive functions in human male Volunteers from southern Assam. Submitted	
34.	Falguni Laskar	Studies on the biodiversity of diazotrophs from the rhizospheric and non rhizospheric regions of rice plant and their use in biofertilizer technology development with special reference to Karimganj district of Barak valley region South Assam, submitted,	2013
35.	Supriya Singh	Marketed Pharmaceuticals and genotoxicity: a Cytogenetic Study using multiple end point analysis in mammalian test System <i>in vivo</i> .	2013
36.	Pradosh Mahadoni	Development of DNA passport for species level identification of important medicinal plants with special reference to Apocynaceae from Southern Assam	2013
37.	Laxmipriya K.	Biochemical and molecular characterization of phycobiliprotein Rich cyanobacteria of N.E. Region of India submitted	2013
38.	O. Avijeet	Diversity analysis and PCR based molecular characterization Of carotenoid rich oscillatorioid cyanobacteria of N.E. Region of India	2013
39.	Gunapati O.	Isolation, identification and PCR based molecular characterization of Nostoclean Cyanobacteria of N.E. Region of India	2014
40.	K. Ojit	Cyanobacterial diversity analysis of Loktak lake, Manipur through application of using modern tools and techniques	2014
41.	Th. Indrama	Studies on cyanobacterial diversity of rice fields in Manipur	2014
42.	Mirnal Bhattacharjee	Isolation and molecular characterization of free living diazotrophs From tea rhizosphere of Barak valley, Assam (India)	2014
43.	Sagarika	Biodiversity of endophytic and rhizospheric nitrogen fixing Microorganisms of Cymbopogon species of Barak Valley Assam	2015
44.	Debangna Choudhury	Development of process technology for production of bamboo Shoot based nuggets	2014
45.	Benkee Thiyam	Studies on Post Harvest diseases of Fruits in Barak Valley, Assam.	2015
46.	Ratul Nath	A study on endophytic microbial inoculants of <i>Camellia sinensis</i> (L.) Kuntze and evaluation of their potential for plant growth	2015
47.	Dhritman Chanda	Effect of Heavy metal pollution on the diversity of microorganism including microbial symbionts in Hindustan paper Corporation, Cachar, Assam.	2015
48.	Pranita Bora	Ecological study on Microbial decomposition of Tectona litter in Assam .	2015
49.	Pradosh Mahadani	Development of DNA Passport for species level identification of important medicinal plants with special reference to Apocynaceae from North East India.	2015
50.	Manadipa Roy	Indexing bacterial cultured diversity of Sandeal wetland Barak Valley (Assam) Submitted	2016
51.	Apsara Rabha	Molecular characterization of endophytic fungi from tea (<i>Camellia sinensis</i> (L.) O. Kuntze) and their <i>in vitro</i> antagonistic activity Against the fungal phytopathogens. (Submitted)	2016
52.	Silu Basumatry	Isolation and characterization of bioactive compounds of <i>Hodgsonia heteroclita</i> Roxb. Hook. F. and Thomas medicinally used by Bodo tribe in Kokrajhar District, Assam. Submitted	2016

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. Molina vam and rhizobium symbionts with medicinal plants, 2010
2. Debmita Chakraborty Diversity of Diazotrophs in rhizosphere of sugarcane 2011
3. Novita Devi, Studies on *Pseudomonas* Spp. 2012
4. Anirudh Sen Rhizosphere of tree fern. 2012
5. Laxmi Devi Plant growth promoting microbes. 2012

Research projects undertaken as investigator:

1. Fungal association----- Orchids of N.E. India, DST, New Delhi 1982-1986
2. Studies on Mycorrhiza-----Tree species of N.E. India, ICAR, New Delhi 1982-85
3. Radio Ecology of Root-----Pine, DAE,Bombay, 1982-1985. Studies on mycorrhiza-----Pine, UGC, New Delhi, 1984-88
5. An Integrated Pathological ----N.E. India, CSIR, NewDelhi, 1984-1988
6. Role of Soil Microbes ----- WestKhasi Hills, Ecodevelopment, NEHU, 1985-1988
7. Studies on soil microbes----N.E. India D.O.En, New Delhi, 1986-1990
8. Interaction between vam and pathogenic fungi,CSIR,New Delhi, 1990-93
9. Studies on Frankia -----NE India, CSIR, New Delhi, 1990-1993
10. Ecology and molecular biology of Frankia, Indo-French, 1992-95
11. Conservation of rare ---South Assam, Ministry of Environment and Forestry, New Delhi, 1997-98
12. Setting up of Bio energy Park, Min. of Non Conv. Energy, New Delhi, 1997-98
13. Biodiversity of medicinal -- Orchids, NATP, NBPGR,ICAR, 1999-2002
14. UGC-DRS – (2007-Contd. – Coordinator, 2007)
15. BIF, DBT, Govt. of India (2008-Contd-Coordinator,2008)
16. FIST – DST, Govt. of India (2008 – Co-ordinator).
17. DBT Govt of India, Twining project with Pondichery 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 of 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, Shillong, 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 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),
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-à-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
24. International conference of Microbiology in Montreal University, Canada, 2014

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

- a) International seminar on microbes, BHU, Varanasi, 1996
- b) .National seminar on Social forestry, 1993
- c) Conference on Biodiversity and Ethnobotany, Bhagalpur, 1996
- d) Conference on Environmental Resources, NEHU, Shillong, 1996
- e) Status of Land Slides, AUS, 1997
- f) Conference on Human Rights and Insurgency in N.E. India, AUS, 1997
- g) Conference on Society, Development and Tea Industry, AUS, 1998
- h) National Problems of N.E. India, AUS, 1998
- i) Seminar on Biodiversity, Karimganj (UGC), 2000
- j) International Conference on Agro forestry, NEHU, Aizwal, Mizoram, 2000
- k) National Seminar on Hill Agriculture, ICAR, Shillong, 2001
- l) International Seminar on Organic Food, ICAR, Shillong, 2004
- m) International Seminar on Algal Bioresource Utilization, Assam Universit, Silchar, 2006
- n) National Seminar on Plant Pathogen Diversity, Manipur University, 2006
- o) National seminar on Right to Information, Assam University, 2006.
- p) National Seminar on Bio-diversity at Guwahati, 2007
- q) National Seminar on Medicinal Plants, Hailakandi, 2008.
- r) Workshop on IPR, AUS, Silchar, 2009.
- s) National Seminar on DNA Bar-coding, 2009.
- t) National Seminar on Bio-Diversity, 2009.
- u) International Seminar of IBS, Kolhapur, 13TH, Nov, 2010
- v) International Seminar on Recent Advances in medicinal and aromatic plants, 2010
- w) International Seminar on Higher education, sustainability and livelihood, 16th, Dec, 2010
- x) International seminar of ecology and environmel sciences, 16-17, feb, 2012, assam univ.
- y) 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, Indi
 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.		- 06.030
2. Mutation Research, USA*	- 3.5 x 3	- 10.500
3. Pedobiologia, Germany		- 02.400
4. Sydlowia, Austria		- 00.556
5. Soil Biology & Biochemistry, UK*	- 3.56 x 4	- 14.280
6. Biology & Fertility of Soil, Germany		- 01.750
7. European Journal of Soil Biology,		- 01.440
8. Folia Microbiologia, Czeck		- 00.989
9. Canadian journal of Microbiology,		- 01.286
10. Mutagenesis, USA		- 03.540
11. Current Science, India	0.76 x 5	- 03.800
12. Experientia, Switzerland		- 00.500
13. Acta Mycologia, Poland		- 00.500
14. Cytologia, Japan		- 00.220
15. National Academy of Science, India	- .17x4	- 00.680
16. European Journal of Soil Biology, France		- 01.240
17. Indian Journal Agri. Science		- 00.122
18. African Journal of Biotechnology		- 00.540
19. African Jour. of Microbiology. Res.		- 00.409
20. Industrial Crops and Products, USA		- 02.348
21. Journal of Scientific & Industrial Research		-00.300
22. Acta Physiologia Plantarum		01.230
23. Environmental and Molecular Mutagenesis (Wiley)		02.860
24. Indian journal of Microbiology (Springer) x 5		02.700
25. Aquatic Toxicology USA		03.880
26. Ecotoxicology USA		03.100
27. BMC Complementary & Alternative Medicine, USA		02.200
28. Plant Physiology & Biochemistry, Elsevier, USA		03.010
29. Environmental Contamination & Toxicology, USA		01.200
30. journal of plant biochem and biotech		00,500
31. Asian jour, pharmaceutical and clinical research x2		01.400
32. African journal of Agricultural Research		00.080
33. Pharmacognosy magazine, USA		01.160
34. Jour. of pl. Biochem & Biotech		0.52
35. Journ of Integrative Biol ,USA		02.73
36. System Biol. Reproductive Medicine		01.84
37. African Jour. of Microbiol		0.54
38. Journ. of Pharmacy & Biol. Science x3		03.39

39. Indian Journ of Applied Res	2.16
40. International Journ of Scientific Res	1.186
41. Indian Journ of Trditional Knowledge x2	0.94
Total -----	91.50

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, Czeckoslovakia
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
62. Plant Science Today
63. An International Journal of Environment and Biodiversity
64. Current Science, India
65. International Journal of Advanced Research
66. Ecobios
67. Journal of Applied Pharmaceutical Science
68. Hayati Journal of biosciences
69. Academy of Science Research and Technology, Egypt
70. In Bacili and Agrobiotechnology, Islam
71. In. microbes in degraded land, India

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 (RAWE), 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:

Reforms 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.

MAJOR CONTRIBUTIONS AT BILASPUR UNIVERSITY (2012 – 2015)

Establishment of State University in Bilaspur with 5 UTD departments.

Recognition by UGC in 2012.

Membership of AIU New Delhi.

Introduction of outreach programme through NSS and Organization of NSS Camp.

Award given by MHRD for outreach activities of NSS.

Introduction of Choice Based Credit System first in the State of Chhattisgarh.

Introduction of Semester System in UTD and Autonomous Colleges first in State.

Introduction of Skill Development Courses.

Organization of All India Vc's Conference on Autonomy and State Relation.

Organization of NAAC Workshops and Colleges for Assessment and Accreditation.

With University Efforts Five Colleges with A Grade for The First Time.

Organization of All India Sports Every Year, Two Gold Medals in Swimming and Sword Competitions and One UTD Student selected for Russia in Thai Boxing.

Organization of Examination Reform, E-Learning Seminars & Their Implementation.

Getting Land for The University, Highcourt Building and Preparation of Master Plan.

Preparation of RUSA Plan for The University and Affiliated 162 Colleges.

Signing of Functional MOU with GGU (Central University), IIT Bombay, SERC Hyderabad, TISS Bombay.

Linkage with Industries like; NTPC, Power Grid, SECL and Small Scale Industries.

**LIST OF
PUBLICATIONS**

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 mays*) 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. Mycorrhizal 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, M.V. and Sharma G.D. 1981. Some observation on the aphid mycorrhizal 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 Mycologica*, (Poland) 17, 45-51.
16. Sharma G.D. and Mishra, R.R. 1982. Mycorrhizal association in gymnosperms of Meghalaya. *Acta 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. Mycorrhizae 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 G.D. 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 G.D. and Mishra R.R. 1986. Status of mycorrhiza 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 germination 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. Pl. 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) Chennai 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) Chennai 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) Chennai, PP.319-321.
43. Deka. H.K. Mishra and Sharma G.D. 1989. Seasonal fluctuation in microbial population. Co2 evolution and dehydrogenase activity in jhum fellows. Jour. Indian Bot. Soc. 68, 165- 170.
44. Deka, H.K. Mishra and Sharma GD. 1990. Effect of fuel burning on VAM fungi and their influence on the growth of early colonizing plant species. Acta Botanica Indica.18, 184-189.
45. Dutta, B. and Sharma G.D. 1990. A report of seed root of *Terminalia myriocarpa* by *Graphiuv acruqinosum*. Acta Botanica Indica, 18,97-98.
46. Kshatriya, S. Sharma GD. and Mishra R.R. 1990. Nutrient release from the litter and the development of mycorrhizae in more or less disturbed forest communities. In Current Trends in Mycorrhial research (Eds. Jalali, B.L. and Chand, H), Hissar, PP. 37-39.
47. Jha, B.N. Sharma G.D. and Mishra R.R. 1990. Effect of soil degradation on soil microbes, symbionts and their activities. In Current Trends in Mycorrhizal research (Eds. B.L. Jalali and H. Chand), Hissar, India, PP. 63-65.
48. Jha, B.N. Sharma G.D. and Mishra R.R. 1990. Effect of PH on the growth of ectomycorrhizal fungi in vitro. In: Current Trends in Mycorrhizal Research (Eds. Jalali, B.L. and Chand, H), Hissar, india, PP. 66-68.
49. Kumar, R. Sharma G.D. and Mishra R.R. 1990. Development of ectomycorrhizae in pine and its effect on the growth of *Pinus kesiya* under different moisture regimes. In: Current Trends in Mycorrhizal Research(Eds. Jalali, B.L. and Chand, H) Hissar, PP. 199-200.
50. Kumar. R. Sharma GD. and Mishra R.R 1990. Growth response of Khasi pine seeding to different ectomycorrhizal fungi. Jour. Sci. Res. 40, 73-80.1990.
51. Raghuvanshi, A.N., Mishra R.R. and Sharma G.D. 1991. Symbiotic seed germination and seeding growth of orchids at different temperature. Jour. Orchid Soc. India, 5. 61- 69.
52. Katiyar. R.S. Sharma G.D. and Mishra R.R. 1991. Fungal endophyte and growth of *Cymbidium giganteum* (Wall.) seedling under different light regimes. Jour. Orchid Soc. India, 5, 9-15.
53. Kumar, R, Shukla, A.K.,SharmaG.D. and MishraR.R 1991. Response of mycorrhizal pine seedlings (*Pinus kesiya*) to fungicides. Acta Bot. Indica, 19, 157-161.
54. Jha, D.K. Sharma G.D. and Mishra R.R. 1991. Role of mycorrhiza in nutrient uptake: The phosphate ions. Jour. Sci. Res. 41, 55-69.
55. D.K.Jha, G.D.Sharma and R.R.Mishra 1991. Interaction between VAM and actinorrhizal symbionts in *Alnus nepalensis*. Developments in Plant and Soil Sciences, vol.48,647-649. Link Springer.com/chapter/10.1007/978-94-011-3486-6-149
56. Chauhan, M., Joshi, S.R. Sharma GD. and Mishra R.R. 1991. Effect of deforestation on microbes, VAM fungi and their enzymatic activity in Eastern Himalayas. Recent Research in Ecology, environment and Pollution (Ed. G.S. Rajwar) 141-152.
57. Jha, D.K., Sharma G.D. and Mishra R.R. 1991. Ecology of soil mycoflora and mycorrhizal symbionts in degraded forests at two altitudes. Biol. Fert. Soil (W. Germany) 12. 272-278.

58. Kshattriya, S., Sharma G.D. and Mishra R.R. 1992. Enzyme activity related to litter decomposition in forests of different age and altitude in North East India. *Soil. Boil. Biochem.* (U.K.) 24, 265-270.
59. Jha. D.K., Sharma G.D. and Mishra R.R. 1992. Soil microbial population numbers and enzyme activities in relation to altitudes and forest degradation. *Soil. Boil. Biochem.*, U.K., 24,761-768
60. Chhetry, G.K.N. Sharma G.D. and Mishra R.R. 1992. Ecological studies on mycoflora of French bean. *Jour. Indian Bot. Soc.* 71, 225-227.
61. Kshattriya, S. Sharma G.D. and Mishra R.R. 1992. Microbial dynamics and fungal succession during leaf litter decomposition in degraded sub-tropical wet hill forests. *Jour. Soil Boil. Ecol.* 12, 14-29.
62. Jha. D.K., Sharma G.D. and Mishra R.R. 1993. Mineral nutrition in the tripartite interaction between Frankia, (*Glomus* and *Alnus* at different phosphorus regimes. *New Phytologist*, U.K., 123,307-311.
63. Jha, D.K. Sharma G.D. and Mishra R.R. 1993. Mycorrhiza and plant disease control. In *Fungal Ecology and Biotechnology* (Eds. Rai et al), Rastogi Publ. Meerut, India PP. 73-81.
64. Chhetry, G.K.N., Sharma G.D. and Mishra R.R. 1993. Quantitative analysis of anthracnose disease of French bean. *Acta Botanica Indica* 21, 225-230.
65. Joshi, S.R., Sharma GD. and Mishra R.R. 1993. Microbial enzyme activities related to litter decomposition near to a highway in a sub-tropical forest of North east India. *Soil Boil. Biochem.* U.K., 25, 1763-1770.
66. Kumar, R., Rao, C.S. Sharma G.D. and Mishra R.R. 1993. Effect of Bovistin and dithane M-45 on the development of ectomycorrhiza of pine (*Pinus kesiya*). *Recent Trends in plant Disease Control: Current Trends in Life Sciences* (Eds. Singh et al), Vol. 19, 67-74, Today and Tomorrow's Publ., New Delhi.
67. Joshi, S.R., Sharma G.D. and Mishra R.R. 1993. Effect of heavy metal accumulation on leaf surface microorganisms of sub tropical pine (*Pinus kesiya*). *Tropical Ecology* 34, 230-239.
68. Jha, B.N., Sharma G.D. and Misbra R.R. 1993. Epidemiology of damping off (*Phytophthora* spp) on pine (*Pinus kesiya*). *Recent Trends in Plant Disease Control: Current Trends in Life Sciences* (Eds. Singh et al), Vol. 19, 295-300. Today's and Tomorrow's Pub., New Delhi.
69. Chhetry, G.K.N., Sharma G.D. and Mishra R.R. 1993. Quantitative analysis anthracnose disease of French bean. *Acta Botanica Indica.* 21, 225-229.
70. Chhetry, G.K.N. Sharma G.D. and Mishra R.R. 1993. Spatial dispersion statistics and sequential sampling plan for leaf spot disease caused by *Colletotrichum lindemuthianum* in French bean. *Indian Phytopathol.* 46, 64-69.
71. Joshi, SR., Sharma G.D. and Mishra R.R. 1994. Effect of disturbance on microbial population and their activities in forest soil at higher altitudes of Meghalaya. In *High altitude of Himalaya: Biography, Ecology & Conservation* (Eds. Y.P.S. Pangty and R.S. Rawat), Gyanodaya Prakashan, Nainital, PP. 298-309.
72. Kshattriya, S. Sharma G.D. and Mishra R.R. 1994. Fungal succession on leaf litters of different tree species at two altitudes. *Pedobiologia*, West Germany, 39. 125-137.
73. Kayang, H. Sharma G.D. and Mishra R.R. 1994. Effect of isopods grazing upon microbes and nutrient release from the decomposing leaf litter of *Alnus nepalensis* D. Don. *European Jour. Soil. Boil.* France, 30, (4), 11-15.
74. Jha, D.K. Sharma G.D. and Mishra R.R. 1994. Ecology of vesicular arbuscular. mycorrhiza, In: *Microbes and Environment* (Eds. Prasad A.B. and Bilgarami R.S.), Narendra Pub. House New Delhi. PP.199-208.

75. Chetry, G.K.N. Mishra R.R. and Sharma G.D. 1994. Effect of micro climate factor on Epidemiology on leaf spot disease caused by *C. Lindemuthiansur* and *P. Griscolaof* French bean Indian Jour. Agric. Sci. 64, 667-670. (ISSN – 0019 – 5022).
76. Kshattriya, S. Sharma G.D. and Mishra R.R. 1994. Litter decomposition in tropical forest of North east India, *Acta Botanica Indica*, 22, 279-281.
77. Chetry, G.K.N. Sharma G.D. and Mishra R.R. 1994. New report on virulent strain of *Phacoicariopsis griseola* (Sac) on French bean (*Phaseolus vulgaris* L.) *Acta Bot. Indica*, 22, 150-151.
78. Chetry, G.K.N. Mishra R.R. and Sharma G.D. 1994. Spatial distribution of Anthracnose disease caused in French bean by *Colletorichum lindemuthianum*. *md. Jour. Mycol. Pl. Pathol.* 24(1), 65-66.
79. Sharma G.D. Mishra R.R. and Kshatiriya, S. 1995. Fungi and Litter decomposition in the tropics. In: *Soil Organisms and Litter Decomposition in the Tropics* (Ed. V. Reddy Oxford & IBH, New Delhi, and West View Press, Oxford, U.K. PP. 39-59.
80. Rao C.S., Sharma G.D. and Shukla, A.K. 1995. Spatial variation of microbes and their activities with different age groups of pine forest ecosystem of pine in sub tropical forest soil. *Jour. Soil Boil. Ecol.* 15, 6-16.
81. Shukla A K, Rajkumar, G D Sharma & R R Mishra. 1996 : Influence of fungicides on mycorrhizal association, seedlings growth and enzyme activities in root region of *Pinus kesiya* seedlings. *Journal of Soil Biology & Ecology* 16 : 40-45, 1996. (ISSN: 0970- 1370, India).
82. Pradhan, M. Sharma G.D. and Mishra R.R. 1996. Isolation and characterization of vesicular arbuscular mycorrhiza of actinorhizal Himalayan alder (*Alnus nepalensis*) of Meghalaya. *Jour. Hill Res.* 9, 325-330. ISSN 0970-7050
83. Kayang, H. Sharma G.D. and Mishra R.R. 1996. Influence of isopods grazing on microbial dynamics in decomposing leaf litter of *Alnus nepalensis* D. Don. *Europ. Jour. Soil Boil. France*, 32 (1), 35-39. ISSN 1164-5563. Impact factor 1.24
84. Kshattriya, S., Jha, D.K. Sharma GD. and Mishra R.R. 1996. Litter decomposition in relation to soil nitrogen dynamics in two degraded tropical forest stands. *Ecoprint, (International Jour. Of Ecol) Nepal* 3, 41-44. ISSN 1024-8668.
85. Sharma G.D. and Shukla, A.K. 1996. Ectomycorrhizal efficiency of various symbionts with *Pinus kesiya* seedlings in forest and degraded soil. *Proc. Indian Nat. Sci. Acad. B* 62, 427- 434. (ISSN: 0073-6600, INSA, India)
86. Chetry, G.K.N., Mishra, R.R., Sharma, G.D. 1996. Phyllosphere Fungal Flora of French bean in relation to crop Phenology, Climatic factors and cultivators. *Acta Botica India* 24 (1), 81 – 86. (ISSN – 0379 – 508k)
87. Rao, C. S. Sharma G.D. and Shukla, A.K. 1997. Influence of plant age on distribution of ectomycorrhizal fungi in pure stands of *Pinus kesiya*. *Canadian Journal of Microbiology (Ecology section)*, Canada, 43, 85-9 1. ISSN 1480-3275. Impact factor 1.262
88. Kayang, H. Sharma G.D. and Mishra R.R. 1997. Microflora associated with the gut contents of isopod (*Burmomcus sp nova* Philoscidae). *Jour. Soil Boil. Ecology* 16(2). 120 -123. ISSN 0970 – 1370.
89. Shukla, A.K. Sharma G.D. Kumar R. and Mishra R.R. 1997. Influence of Fungicides on mycorrhizal association, seedling growth and enzyme activities in root region of *Pinus kesiya* seedlings. *Journal Soil Biol. Ecol.* 16(1), 40-45. ISSN 0970-1370.
90. Sharma G.D. 1997. Studies on VAM in certain families: Cruciferae, Chenopodiaceae, Cyperaceae. Ameranthaceae and Polygonaceae. *Journal of Assam University.* 3, 170- 176. ISSN.0975-2773
91. Kayang, H. Sharma G.D. and Kharbuli B. 1997. The effect of fungal feeding on litter microbial population. *Geobios*, 24, 42-4.6. ISSN 02511223.

92. Deb, P.R., Sharma, G.D. and Dutta, B.K. 1997. control of Foot Rot disease of Soybean (*Glucine max L*) by antibiotic chemotherapy. *Acta Botanica Indica* 2S (1), 43 – 48. (ISSN–0379 – 508X).
93. Pradhan, M., Sharma G.D. and Mishra R.R. 1997. Isolation and characterization of Frankia from soils of *Alnus nepalensis* D. Don. Woodland of Meghalaya. *J. Hill research*, 11, 74-81. ISSN – 0254-0126.
94. Sharma G.D. 1998. Growth response of three ecologically different populations of Khasi pine (*Pinus kesiya* Royale ex Gordon) to mycorrhizal inoculation. *Journal Assam University*, 3, 170-176. ISSN.0975-2773
95. Tiwari, S.C. and Sharma G.D. 1998. Altitudinal variation in dehydrogenase and urease activity and microbial population in soils of Eastern Himalayan highlands. *Journal Hill research*, 11, 22-25. ISSN 0970 – 7050
96. Sharma G.D. 1998. Environmental degradation and the natural disaster in North-east India. In “Status of Landslides in North-East India and Natural Disaster management” (Ed. G.D. Sharma, PP. 89-93. Assam University Publication, Silchar. ISSN.0975-2773.
97. Sharma G.D. and Kumar, R. 1998. Effect of ectomycon-hizae on the root diseases of Khasi pine (*Pinus kesiya*) *International Jour. P1 Dis. Rev.* 15, 141-152. ISSN 019-2917.
98. Sharma, G.D. 1998. Status of land slides on North East India and Natural Disaster Management, Assam University, Publ. Silchar. ISSN.0975-2773.
99. Nair, D.K. and Sharma G.D. 1998. Biodiversity in rice of Borak valley in relation to the disease incidence. In “Biodiversity and Conservation: Problems and Prospects” (Ed. H.K. Patra) PP.133-138, Orissa Env. Soc. Pubi. Bhubneshwar, India.
100. Sharma G.D. 1999. Application of ectomycorrhizal fungi in pine forest. *Journal AssamUniversity*, 165-180. . ISSN.0975-2773.
- 101..Bhattacharjee, P., Bhattacharjee, M.K. and Sharma G.D. 1999. Studies on rhizosphere of Tea (*Camellia sinensis*) seedlings. *Jour. Assam University* 4, 169-173. ISSN.0975-2773.
- 102.. Rao, C.S. Sharma, G.D. and Shukla, A.K.1999. Influence of organic amendments on the development of ectomycorrhizae and their efficiency in P-uptake and seedling growth of *Pinus kesiya*. *India Jour. Forestry* 22: 7-13. (ISSN: 0971-9431, FRI, India).
103. Pradhan, M. Sharma G.D. and Mishra R.R. 1999. Isolation and characterization of Frankia from Alder (*Alnus nepalensis* D. Don) Forest of Meghalaya. *J. Hill res.* 12(1), 38-51. ISSN 0970-7050.
104. Kayang H. and Sharma GD. 1999. Microorganisms in food, gut contents and faeces of *Burmonicus kempi* (Isopoda: Philiocadae). *Jour. Hill Res.* 12(1), 114-1 18. ISSN 0970- 7050.
- 105.. Hmar,M and Sharma,G.D.1999. Altitudinal variation in Frankia and nodules of *Alnus nepalensis*. *Bull. Life. Sci.* 8, 27-32 (1998).
- 106.. Sharma G.D. and Dutta, B.K. 1999. Recent Researches in Science and Technology. Assam University, Publ. Silchar. ISSN.0975-2773.
107. Sharma G.D. 2000. Interspecies variations between ectomycorrhizal fungi in stimulating growth of pine seedlings (*Pinus kesiya*) *Journal of Assam University* 5 (1) 25-37. ISSN.0975-2773.
108. Kayang, H, Sharma, G.D., Laloo, R.C. and Mishra, R.R 2000. Weight loss and concentration of nutrients during decompositions of Leaf Litter of *Alnus nepalensis* D.Don in subtropical forest of North East India. *Vasundhara*.5, 1-10. ISSN 1307-5547.
109. Ajungla, T, Sharma, G.D, Dkhar, M.S. and Laloo, R.C. 2001. Effect of heavy metal pollution on nutrient contents in ectomycorrhizal pine seedlings (*Pinus kesiya* Royle Ex Gordon) *Vasundhara (International Journal of Environmental Biology)* 6, 91-93. ISSN 1307-5543.

110. Sharma G.D. 2001. Role of mycorrhiza in forestry. Proc. Improved technology for Afforestation. (Eds. B Goala & K.G. Prasad) Inst. Rain Forest Res. Jorhat (Government of India) PP. 79-81.
111. Barbhuiya, A.R. and Sharma, G.D. 2001. Collection of rice germplasm from Barak Valley, Assam, Indian Journal of Genetic Resource. 14, 112-114. ISSN 911-8184.
112. Barbhuiya, A.R. and Sharma, G.D. 2001. Chilli and cucurbits germplasm collection from Barak Valley, Assam, Indian Jour. Plant, Genetic Resource. 14, 123. ISSN 911-8184.
113. Ajungla T., Sharma, G.D. and Dkhar, M.S 2001. Heavy Metal toxicity on the colonization of ectomycorrhizae of Pinus kesiya (Royle Ex Gord). Journal of Assam University 6, 36 - 39. ISSN.0975-2773.
114. Giri, S., Prasad, S.B., Giri, A., Sharma G.D. 2002. Genotoxic effects of malathion: an organo phosphorus insecticides, using three mammalian bioassay in vivo. Mutation Research, USA. 514, 223 - 231. ISSN 1383-5718. Impact factor 7.5.
115. Giri, S., Giri, A., Sharma, G.D. and Prasad S.B. 2002. Mutagenic effects of carbosulfan, a farbamate pesticide. Mutation Research USA 519. 75-82. ISSN 1383- 5718. Impact factor 7.5.
116. Giri, S. Sharma G.D., Giri. A, 2, Prasad, S.B. 2002. Genotoxic effect of Malathion in chick in vivo micronucleus assay. Cytologia (Japan) 67, 53-59. ISSN 0014545. IF 0.5
117. Giri, S., Sharma, G.D., Prasad, S.B. and Giri, A., 2002. Fenvalerate induced chromosome aberration and sister chromatid exchanges in bone marrow cells. Mutation Research (USA), 520, 125-132. ISSN 1383-5718. Impact factor 7.5.
118. Sharma, G.D., Bhattacharjee, S., Sinha, M and Das, A.K. 2002. Status of Plant Biodiversity of Cachar district & its conservation. J.Eco Taxon Bot. (1) 94-101. ISSN 0970-7050.
119. Das, A.K. and Sharma, G.D. 2002. Pteridophytic flora of Cachar district. Proc. Biodiversity of Assam and its conservation. (Eds M.K. Bhattacharjee, M. Dutta Chaudhury and P.S. Mazumdar) PP 225-232.
120. Bhattacharya, B. and Sharma, G.D. 2002. Contribution to the Pteridophytic flora of Assam University Campus. Proc. Biodiversity of Assam and its conservation. (Eds. M.K. Bhattacharya, M. Dutta Chaudhury and P.B. Mazumdar) PP 233-238.
121. Dey, M.K. and G.D.Sharma 2002. Mycoflora isolated from rice seeds kept under different storage conditions. Proc. Biodiversity of Assam and its conservation (Eds. M.K. Bhattacharya, M. Dutta Chaudhury and P.B. Mazumdar) pp 249-252.
122. Ajungla, T. Sharma, G.D. and Dkhar, M.S. 2002. Zn and Cd accumulation in ectomycorrhizae of pine (*Pinus kesiya* Royle Ex Gord). Eco Bios 1 (1), 41-44. ISSN 0172- 9431
123. Sharma, G.D. Bhattacharjee, S. Sinha, M. and Das, A.K. 2002. Status of Plant Biodiversity of Cachar district and its conservation. 1. Econ. Taxon. Bot 26(1). 94-101. ISSN 0970-7050.
124. Bhattacharjee S. Sinha, M and Sharma, G.D. 2002. Potentiality of microbes as bio-fertilizers during paddy cultivation in Cachar district. Proceed of Bio-fertilizers in Agriculture (Ed. A.K. Yadav).
125. Giri. S., Sharma, G.D., Prasad S.B. and Giri, A.. 2003. Induction of sister chromatid exchanges by cypermethrin and carbosulfan on bone marrow cells of mice in vivo. Mutagenesis (Oxford University Press, UK) 18, 53-58. ISSN 1098-22801, 0267-8757. Impact factor 3.54
126. Ajungla, T, G.D. Sharma, G.D. and M.S. Dkhar 2003 : Effect of heavy metals on the urease activities of mycorrhizospheric soil of Pinus kesiya seedlings. Asian Journal of Microbiol, Biotech & Environmental Science. No.1. ISSN 972-3005.
127. Das. A.K. and Sharma, G.D. 2003. Ethno-medicinal uses of plants by Manipuri and Burman communities of Cachar district. Assam. J. Econ. Taxon. Bot. 27(2) 421-429. ISSN 0970-7075.

128. Shil, S and Sharma, G.D. 2003. A few medicinal plants from Reang tribals of North Tnpura. J. Econ. Taxon. Bot. 7 (2), 451-456- ISSN0970-7075.
129. Sharma, G.D. and Ajungla, T. 2003. Structure and functioning of Ectomycorrhiza of pine (*Pinus kesiya*) in Heavy Metal Polluted soil. Compendium of Mycorrhizal Research Vol.II: Role of Mycorrhiza in Biotechnology. (Eds. K.G. Mukhejee and B.P. Chamola). A.P.H. publishing Corp. New Delhi. Pp307-321. ISBN817648-502-0.
130. Ajungla T., Sharma, G.D. and Dhar, M.S 2003. Heavy metals toxicity on dehydrogenase activity on rhizospheric soil of ectomycorrhizal pine seedlings in field condition. Journal of Environmental Biology. (An international research journal concerned with environmental sciences and toxicology). Vol.24 (4), 461-463.ISSN 02454-B-704.
131. Ajungla T., Sharma Gordon, G.D. 2003 Accumulation of Cu and Ni in ectomycorrhizae of *Pinus kesiya* (Royle ex) ,Nagaland University Research Journal 21(4), 14-17. ISSN.0976- 0346.
132. Das, A.K., Sharma, G.D. and Dutta, B.K. 2004. Study of plant Bio-diversity and its conservation in Hailakandi district, Assam. India. J. Econ. Taxon. Bot. 28(1). 213-228.ISSN 0970-7050 .
133. Ajungla, T., Sharma G.D. and Dkhar, MS. and Keyang, H. 2005. Effect of heavy metals on mycorrhizal formation and growth of pine seedlings. (Eds Anil Prakash). In : Mycorrhiza Scientific Publ. pp. 291. (ISBN – 817233-410-9), www.scientificpub.com.
134. B. Bhattacharjee and Sharma, G.D. 2006. Report on new record of orchid to Southern Assam (India). Jour. Of Economic Bot. and Taxonomy. 30 (2), 431. ISSN 0970-7050.
135. Das , A.K, G.D. Sharma & B.K. Dutta 2006 : Study of Home garden plants and their uses in Karimganj district, Biodiversity Conservation – The Post Rio Scenario in India (eds. B.K. Dutta, A.K. Das & P.Choudhury), Assam University, Silchar. 176-186 pp.ISSN.0975-2773.
136. Das, A.K., B.K.Dutta & G.D. Sharma 2006 : “Study of Medicinal Plants used by the different tribes/communities of Cachar district, Assam”. J.Econ. Taxon. Bot. Vol.30 (Suppl.), Scientific Publisher (India) Jodhpur, 294-309pp. ISSN0970-7050.
137. Jha, B.N., G.D. Sharma and A.K. Shukla 2006 : “Phosphatase activity of ectomycorrhizal roots and nutrient status of pine seedlings under different physical factors. Asian Journal of Microbiology, Biotech and Environmental Sciences 8 (3)561-566.(ISSN: 0972-3005, Global Science Publication, India)
138. Jha B.N., G.D. Sharma and A.K. Shukla 2006: Growth Behaviour of Ectomycorrhizal fungi with different physical factors in vitro conditions. Asian Journal of Microbiology, Biotech and Environmental Sciences 8 (2) 339-343(ISSN: 0972-3005, Global Science Publication, India)
139. Ajungla, T. G.D. Sharma & M.S. Dkhar, 2006 : Uptake of Phosphorus by ectomycorrhizal pine seedlings in the metal polluted soil. Environmental Biology and Conservation 11, 15-18. ISSN 0971-782.
140. Ajungla, T.Sharma, G.D.; Dkhar, M.S and Kayang 2006, Effect of Heavy metals on mycorrhizal formation and growth of *Pinus Kesiya* seedlings. In Mycorrhiza (Eds A. Prakash and V.S. Mehrotra) Scientific Publisher. Pp.151-156. (ISBN – 817233 – 410 – 9). www.scientificpub.com
141. Tiwari, S.C. and Sharma, G.D. 2006. Microbial Diversity : Status and Potential Application. Scientific Book Centre, Gauhati. www.vedamsbooks.com 2027862.hmt.ISSN 978-81-287-00002.
142. Ajungla T Sharma, G.D. and Dkhar, M.S 2006. Uptake of phosphorus by ectomycorrhizal pine seedlings in the metal polluted soils. Environmental biology and Conservation (International Society for Conservation of Natural Resources) 11, 15-18. ISSN 0971-782x.
143. Bhattacharjee, S, Sharma G.D., 2006. Effect of pollution on microbial community in air, water and soil and its association with diseases of human beings. In modern Trends of Research in Ecology and Environmental Science (Eds. Duta, B.K. and Abhik Gupta), 167- 178, Mittal Publ., New Delhi. ISBN 81-8324-1425.

144. Sinha, M., Sharma, G.D. and Singha L.B. KSH. 2006. Effect of Solid Waste disposal of Cachar Paper Mill in the soil Microbes and Colonization of higher Plants. In modern Trends of Research in Ecology and Environmental Science (Eds. Duta, B.K. and Abhik Gupta), 143-150, Mittal Publ., New Delhi. ISBN 81-8324-1425.
145. Jha, B.N., G.D. Sharma and A.K. Shukla 2007 : "Ectomycorrhizal development and pine seedlings growth in response to different physical factors, *Acta Botanica Hungarica* 49 (3- 4), 319-328.(ISSN:0236-5383, Akademiai Kiado, Budapest, Hungary) 1816 –1951.
146. Das, A.K., B.K. Dutta & G.D. Sharma 2007: A Study on the tea garden flora of Barak Valley, Assam India, *J. Econ. Tax. Bot.* Vol.31No.4 : Scientific Publisher (India) Jodhpur, 858-866pp. ISSN0970-7050.
147. S.C. Devrani and G.D. Sharma (2007): "Medicinal plants of Nagaland. Bishen Singh Mahendra Pal Singh Publications, Dehradun. pp.396. ISBN 978-81-211-0601-6.
148. Sharma, G.D., Bhattacharjee S and Sinha, M. 2007 : Medicinal Plants used by the Reang Tribes of Barak Valley. In : Biodiversity in North East India (Eds.B.Kharbuli, H.Kayang and D.Syiem). North Easter Hill University. Publ. 137-140.ISBN 81-87837-04-7.
149. Das, A.K., B.K. Dutta & G.D. Sharma 2008: Study of non-conventional edible plants used by different communities of Barak Valley, Assam (N.E. India). *J. Econ. Taxon. Bot.* Vol.32 (Suppl.) 327-333. ISSN 0970-7050.
150. Das, A.K., B.K. Dutta and G.D. Sharma 2008 : "Medicinal plants used by tribes of Cachar district, Assam. *Indian Journal of Traditional Knowledge.* Vol. (3) 446-454. ISSN.0972-5938.
151. Sharma, G.D. & Dutta Choudhury, M. 2008, "Techniques in Biological Sciences (Ed)" Assam University Press, Silchar, pp. – 62 ISSN-0975-2773.
152. Sengupta, S., Chakraborty, B, Gang, S and Sharma, G.D. 2008. Protective effect of *Tinospora cordifolia* on lipid peroxidation and antioxidant enzymes in streptozotocin – induced diabetic rats. *Assam University journal of Science and Technology.* 3 (1), 60-64. ISSN-0975-2773.
153. Jha, B N, G D Sharma & A K Shukla. 2008. Effect of ectomycorrhizal development on growth in pine seedlings. *Journal of Plant Science* 3(1): 77-84, (ISBN: 1816-4951, Academic journals, USA).
154. Deb Roy, B., Deb, B. and Sharma, G.D. 2008: BGA as potential Bio-fertilizer in Acidic Rice Field Soils of Southern Assam. *J. Assam Sci. Soc.* 48, 16-20. ISSN 0975-2773.
155. Sengupta, M., Chakraborty, B, Gang S and Sharma, G.D. 2008. Protective Effect of *Tinospora Cordifolia* on lipid peroxidation and anti oxidant anzymes in streptozotocin induced diabetic rats. *Assam Univ. Journ. of Science and Technology* 3(1), 60-64. (ISSN – 0972 – 0987).
156. Das A. Majumdar, Y. Dutta, B.K., B.R. Shome, K.M. Bejorbaruah and G.D. Sharma, 2008 : *Clostridium perfringens* type A beta 2 toxin in elephant (*Elephas maximus indicus*) and Pygmyhog. *African Journal of Microbiology*, Vol. 2, 196 – 201. ISSN 1996-0808. IF 0.409.
157. Ajungla, T., G.D. Sharma and M.S. Dkhar. 2008. Improvement of growth by mycorrhizal fungi under metal polluted environment. *Environ. Biol. Conser.* 13, 61-67 (ISSN 0971-782x).
158. Das, A.K., Dutta, B.K. and Sharma, G.D., 2008. Study of Edible Plants used by Different Communities of Barak Valley, South Assam. *Journal of Non-timber Forest Products*, vol. 15 (3) : 167 – 172. ISSN 0971-9415.
159. Deb Roy, B. Deb, and G.D. Sharma, 2009 : Diversity of Soil Diazotrophs in Acid stress Rice Agroecosystems of Barak Valley of Assam, India. *Journal of Pure and Applied Microbiology*, 3 (1), 1007 – 124. ISSN 0973-7510. SJR 0.03.
160. Debroy, B., Deb, B. and Sharma G.D., 2009, Dinitrogen nutrition and rice cultivation through biofertilizer technology. *Assam University J. Sci. Tech.* 4 (1), 20 – 28. ISSN-0975- 2773.

161. Chakraborty, B., Sharma, G.D. and Sengupta, M., 2009. Immunomodulatory properties of *Tinospora cordifolia* in carbon tetrachloride intoxicated Swiss albino mice. *Assam Univ. J. of Sci. & Tech* 5 (1) Bio. Sci., 35 – 39. ISSN-0975-2773.
162. Gang, S., Sharma, G.D. and Sengupta M., 2009. Intercellular survival of *Staphylococcus aureus* due alteration of cellular activity in Cadmium intoxicated Swiss albino mice. *Assam Univ. J. Sci. & Tech.* 4 (1), 61 – 65. ISSN-0975-2773.
163. Chakraborty, J., Sharma G.D. and Tamang, J.P., 2009. Substrate utilization in Traditional Fermentation Technology Practiced by Tribes of North Cachar Hills District of Assam. . *Assam Univ. J. Sci. & Tech.* 4 (1), 66 – 72. ISSN-0975-2773.
164. Barbhuiya, A., Sharma, G.D., Arunachalam, A., 2009. Diversity and Conservation of medicinal plants in Barak Valley, North East India. *Indian Journal of Traditional Knowledge* 8 (2), 169-175. ISSN 0972-5938.
165. Indrama, T., Oinam G., Tiwari, O.N., Thokchom, E. and G.D. Sharma. 2009 On the cultural and pigmentation aspects of Oscillatorial Cyanobacteria from the North East Region of India. *BioSci. Biotech. Res. Comm.* 2 (1), 54-64. ISSN 0973-1245.
166. Das, A.K., Dutta, B.K. and G.D. Sharma. 2009. Ethnomedical Uses of *Drymaria quercilicia* (L), *J. Smith* (Pankiraj) in South Assam, *Indian Journal of Non-Timber Forest Products*, Vol. 16 (2), 129 – 130. ISSN 0971-9415.
167. Roy, R., Mazumder, P.B. and Sharma G.D., 2009. Proline, Catalase and root tracts as indices of draught resistance in bold grained rice (*Oryza sativa*) genotypes. *African Journal of Biotech*, 8 (23), pp. 6521 – 6528. ISSN 1684-5315. Impact factor 0.565.
168. Deb Roy, B., Deb, B and Sharma, G.D. 2009. Assessment of Native Diazotrophic Strains in Nitrogen Nutrition of Rice *CV. IR-36* in South Assam. *J. Phytol. Res.* 22(2), 277 – 282. ISSN 0970-5767.
169. Sharma, G.D., 2010. *Integrated Pest Management* Swastik Publications, New Delhi, pp 182. ISBN 978-93-80138-08-4.
170. Sen Sarma, P.K. and G.D. Sharma, 2010. *Baculoviruses for Integrated Forest Pest Management.* in : *Integrated Forest Pest Management.* In: *Integrated Pest Management.* Swastik Publications, New Delhi, pp 16 – 27. ISBN 978-93-80138-08-4.
171. Ajit Kumar Das, Biman Kumar Dutta, G.D. Sharma & P.K. Hajra, 2009. *Medicinal Plants of Southern Assam*, Deep Publication, New Delhi, pp 263. ISBN 978-9380702-02-5.
172. Bidyalakshmi, L. Chanu, Chhetry, G.K.N. and Sharma D.D., 2010. sustainable indigenous practices for the management of pest and diseases of upland rice in Manipur, North East India, *Assam University Journal, Sci. & Tech*, 5(1) 58-62. ISSN-0975-2773.
173. Choudhury, S., Choudhury, M.D., Sharma, G.D. and Paul S.B, 2010. Antibacterial activity of crude leaf extracts of *Pataneisia longifolia*. *Assam University Journal, Sci. & Tech*, 5(1) 53-57. ISSN-0975-2773.
174. Folguni, L., Sharma G.D., Deb, B., 2010. Biodiversity of Diazotrophs *Derxia* and *Beijerenckia* in the rhizospheric and nonrhizospheric soils of rice plants : A review. *Assam University Journal, Sci. & Tech*, 5(1), 154-162. ISSN-0975-2773.
175. Bani, G., Bawari, M, Dutta Choudhury, M.D, Choudhury, S. and Sharma G.D., 2010. Some antidiabetic plants of southern Assam, *Assam University Journal, Sci. & Tech*, 5(1) 1-8. ISSN-0975-2773.
176. Devi, D., Oinam, G., Devi, I, Oinam A.S., Tiwari, O.N. and Sharma G.D., 2010. Ecology and Biodiversity of Cyanobacteria, *Assam University Journal, Sci. & Tech*, 5(1) 6-13. ISSN-0975- 2773.
177. Majumdar, P.B., Sharma G.D., Choudhury M.D., Nath, D and Das, A, 2010. In vitro progeration and phyto chemical screening of papilionan the trees (*Roxb.*) Schltr., *Assam University Journal, Sci. & Tech*, 5(1) 37-42. ISSN-0975-2773.

178. Banik, G, Bawri, M. Choudhury, M.D., Choudhury S., and Sharma G.D., 2010. Some Antidiabetic plants of southern Assam. Assam University Journal, Sci. & Tech, 5(1) 114- 119. ISSN-0975-2773.
179. Sharma G.D. and Ajungla Tali, 2010. Heavy Metal Pollution and Mycorrhiza. Today and Tomorrow Publ., New Delhi, pp 138. ISSN-817019.
180. Choudhury, D., Sahoo, J.K. and Sharma, G.D., 2010, Bamboo Shoots Processing: food Security and Nutrition Proceedings of National Seminar, pp. 81 – 86.
181. Choudhury, S, Choudhury, M.D, Sharma, G.D., and Chetia P., 2010. Ethnobotany and Drug discovery: An experimental Approach in Medical Plants of North – East India (Eds. S.K.Borthakur, M. Ahmed, P. Gogoi, D.N. Dutta and G.U. Ahmed). NEDFIR & D, Centre for MAP, Khetri 782403, Assam.
182. Bhattacharjee, S. and Sharma G.D., 2011 The Vesicular Arbuscular Mycorrhiza associated with three cultivars. In Rice (*Oryza sativa* L.), Indian Journal of Microbiology, Springer Publ. ISSN 00468991. Impact factor, 9.
183. Bhattacharjee, S. and Sharma G.D., 2010. Influences of three different arbuscular mycorrhizal fungi on the growth and phosphorus contents of *Cajanus cajan* seedlings. Journal of Pure and Applied Microbiology, vol. 4 (1, (409-414). ISSN-0973-7510, Impact factor-0.03.
184. Devi, T.T., Kojiam, L., Singh, O.A., Tiwari, O.N. and Sharma, G.D. 2010. Assessment of Cyanobacterial bio-diversity through molecular approaches and possible exploitation for value addition. Assam University Jour. Sci. Tech. 6 (1), 94 – 102. ISSN. 0975-2773.
185. Singh, R.S., Mazumder, P.B., Sharma, G.D., 2010. Molecular characterization of genetic diversity of N₂ fixing microbes of some wild legume plants of Manipur. A Review, Assam University Jour. Sci. Tech. 6 (1), 103 – 109. ISSN-0975-2773.
186. Mahanta, S., Sharma G. D. and Deb, B. 2010. Diversity of endophytic diazotrophs in nonleguminous crops: A Review, Assam University Jour. Sci. Tech. 6 (1), 110 – 123. ISSN-0975-2773.
187. Bhattacharjee, M.K., Mazumder, P.B. and Sharma, G.D. 2010. Molecular characterization of Free living Diazotrophs in Tea Rhizosphere: A Review, Assam University Jour. Sci. Tech. 6 (1), 140 – 144. ISSN. 0975-2773.
188. Devi, S. and Sharma, G. D. 2010. Blast disease of rice caused by *Magnoprote grisea*: A Review. Assam University Jour. Sci. Tech. 6 (1), 145 – 155. ISSN. 0975-2773.
189. Chaudhury D. Sahoo. J.K. and G.D. Sharma. 2010 Biotechnology of Bitterness in Bamboo Shoots. Assam University Journal of Science & Technology Vol. 6(2), 105-11(ISSN 0975- 2773).
190. Deb Roy, B, B. Deb and G.D. Sharma. 2010. Evaluation of carrier based inoculant of *Azotobacter Chroococcum* Strain SDSA-112/2 in improving growth and yield of autumn (ARu) rice CV.IR-36. Biofrontiers Biotechnology. www.biofrontiers.org. vol.1,68-74. ISSN. 0975-4885.
191. Choudhury, D. J.K. Sahu and G.D. Sharma 2010. Moisture sorption isotherms, heat of sorption and properties of sorbed water of raw bamboo. (*Dendrocalamus longerspathus*) shoots. Industrial Crops and Products. ISSN O 926-6690. Impact Factor 2.3.
192. Rajkumar, B. Chakraborty, N and G.D. Sharma 2010. Bacteriological Investigation in three different ponds of Irongmara, Cachar district, Assam. Journal of Pure & Applied Microbiology vol 5(1). ISSN. 0973-7510. Impact factor 0.3.
193. Sharma, D. G.D. Sharma and S.K. Ghosh. 2010. Microbial Diversity from solid wastes disposal of paper industry, Panchgram, South Assam. Journal of Pure & Applied Microbiology. 4(2) 741-748. ISSN- 0973-7510
194. Huidrom, P., Rajkumar, B. and G.D. Sharma. 2010. Screening of native bacteria isolated from tea garden soil of S. Assam for their abiotic stress tolerance. Journal of Pure and Applied Microbiology. 5 (!). ISSN. 0973-7510. Impact Factor.3

195. Sharma, D and G.D. Sharma. 2010. Microbial diversity in solid wastes disposal from paper industry, S. Assam. pp80-87. Swastic Publ. New Delhi. In. status of Bio-diversity and conservation in North East India. ISBN 978381084106.
196. Huidram, P and G.D. Sharma 2010. Isolation of beneficial microorganisms from tea gardens of South Assam. In. Status of Biodiversity and conservation in North East India (Eds Choudhury, et al). Swastic Publ. New Delhi. pp.97-117. ISBN 978381084106.
197. Chakraborty, J, G.D. Sharma and J.P. Tamang 2010. Traditional knowledge of Ethnic people of NC Hills district of Assam on Fermentation of Alcoholic beverages. In. status of Biodiversity and Conservation in North East India. (Eds Choudhury,etal). Swastic Publ. New Delhi.pp 210-221.
198. Rajkumar, B. and G.D. Sharma, 2010. Fungal communities in Aquatic Ecosystem of Barak River, Assam, India. In. Status of Bio-diversity and conservation in North East India. (Eds Choudhury,etal). Swastic Publ. New Delhi pp 234-239.ISBN 9789381084106
199. Deb Roy, B, B. Deb and G.D. Sharma 2010. Bio-screening of native strains of diazotrophs for their efficacy to improve growth and yield of Rice IR-36. In status of Bio-diversity and conservation in North-East India. (edsChoudhury et al) Swastic Publ., New Delhi pp 265- 277. ISBN 9789381084106
200. Mazumdar, P.B. G.D. Sharma, M.D. Choudhury, A. Das Talukdar, B.D. Majumdar and D. Nath. 2010. Invitro propagation, bio-activity evaluation and phyto chemical screening of *Dipteris Wallachi* (R. Br. Ex Hook t grev) T.Moore. In : Status of Biodiversity and conservation in N.E. India (Eds,. Choudhury et al) Swastic Publ. New Delhi pp.308-317. ISBN 9789381084106
201. Deb Roy, B. B. Deb and G.D. Sharma, 2010. Status of Bio-fertilizer utilization and Management in Southern Assam. An overview. In: Status of Bio-diversity and conservation in North East India.(eds Choudhury etal) Swastic Publication, New Delhi pp.255-264.ISBN 9789381084106.
202. Shome,B.R., Shome,R.,Bujarbaruah, K.M. Das,A, Rahman,H.,G.D.Sharma and B.K.Dutta 2010. Investigation of haemorrhagic enteritis in pygmy hogs (*Sus Salvanius*) from India. Rev.Sci Tech Off. Int.Epiz.29(3), 687-693.
203. Deb Roy, B.,Deb, B and G.D.Sharma 2010. Isolation, enumeration and identification of diazotroph strains from acidic rainfed lowlying rice agro-ecosystems of south Assam (Borak Valley), India. J. Phytol. Res. 23(2): 319-326. ISSN 0970-5767. Published in 2011.
204. Bhattacharjee, S. And G.D.Sharma 2010. Diversity of Vesicular arbuscular mycorrhiza in the rhizosphere soil of pigeon pea (*Cajanus cajan* L.) in the Barak Valley of Assam, India. International journ. of Tropical Agriculture and Food Systems, 4 (2), 86-90. ISSN 0974- 4713
205. Chaudhury, D. Sahu, J.K. G.D.Sharma 2011. Bamboo shoot based fermented food products: a review. Journal of Scientific & Industrial Research, vol. 70, 199-203. ISSN 0022-4456 (Impact factor .355).
206. M Majumdar, S Giri, S. Singh , A.Kausar,A.Giri and G.D.Sharma 2011. Anti oxidative potential of vitamin C against chemotherapeutic agent mitomycin C induced genotoxicity in somatic and germ cells of mouse test model. Assam Univ. Jof Sci and tech 7 (1) 10-17 ISSN 09752773.
- 207.S.Giri, G.D.Sharma and A.Giri 2011. The carbamate pesticide carbosulfan induces mutagenic effects in chicks in vivo. Assam Univ. Jour.Sci.Tech &(1) 50-56. ISSN09752773.
- 208.P.B.Majumdar, B.Majumdar, M.D.Chaudhury and G.D.Sharma 2011. In vitro propagation of *Drynaria quercifolia* (L.) J.Sm. medicinal fern. Assam Univ Jour.Sci Tech 7(1) 79-83.ISSN975- 2773
- 209.C.Chaudhury, M.R.Devi, M.Meenakshi and G.D.Sharma 2011. Ethno toxic plants of Cachar district in southern Assam with special refernceto their medicinal properties. Assam Univ. Jour. Sci. Tech. 7 (1), 89-95. ISSN975-2773.

210. G.Oinam, O.N.Tewari and G.D.Sharma 2011. PCR based molecular characterization of Cyanobacteria with special emphasis on non heterocystous filamentous cyanobacteria. Assam Univ. Jour.Sci Tech. 7(1), 101-113. ISSN975-2773.
211. D.Chaudhury, N Chakraborty, P Chetia, M.D. Chaudhury and G.D.Sharma 2011. Comparative efficacy of few triazolopyrimidines as potential anti malarial drugs: An in silico screening. Assam Univ. Jour.Sci Tech.7(1),126-131.ISSN9752773.
212. M.R.Devi, M.Bawari, S.B.Paul and G.D.Sharma 2011.Neurotoxic and medicinal properties of Dhatura stramonium L.A Review. Assam Univ.Jour.Sci Tech. 7(1), 139-144.ISSN7752773.
213. Sengupta,M,G.D.Sharma and B.Chakraborty 2011. Hepatoprotective and immunomodulatory properties of aqueous extract of Curcuma longa in carbon tetra chloride intoxicated Swiss albino mice.Asian Pacific Journal of Tropical Biomedicine, 193-199 (ISSN -1995-7645 APJTB6).
- 214.G.D.Sharma 2011. Climate Change and Water resource management in North East India. IN: Sustainable Development of Water Resources in North East india.(eds J.B.Bhattacharjee, A.Gupta, N.Roy), Akansha Publishing House, New Delhi. pp34-45. ISBN 978-81-8370-272-0.
215. Choudhry, D. J.K.Sahu and G.D.Sharma. 2011. Value addition to bamboo shoots. A review. J. Food Sci. Technol. DOI10.1007/s13197-011-0379-z. Springer Publ.USA.
216. Panda P, Nath S, Chanu T Th., G.D. Sharma and S. K.Panda 2011. Cadmium stress induced oxidative stress and role of nitric oxide in rice (*Oryza sativa* L.). Acta Physiol. Planta (Springer Heidelberg, Germany). DOI10.1007/s11738-011-0710-3(Impact factor 1.23). ISSN 0137-5881S.
- 217.A.Giri, S.Giri and G.D.Sharma 2011. Malathion and fenvalerate inducemicronuclei in mouse bone marrow. Environmental and Molecular Mutagenesis. DOI: 10.1002/em.20649.(Impact Factor 2.86).
218. Rajkumar,B,N.Chakraborty and G.D.Sharma 2011. Bacteriological investigation in three different ponds of ironmara,Cachar district, Assam. Jour. Pure &Applied Microbiology,5,241-246. ISSN0973-7510.
219. Huidrom,P ,Rajkumar,B. and G.D.Sharma 2011. Screening of native bacteria isolated from tea garden soil of south Assam for their abiotic stress tolerance. Jour. Pure & Applied Microbiology,5, 349-353. ISSN 0973-7510.Impact Factor .3
220. Chetia,P Chaudhury,M.D. Talukdar,A.D. Chaudhury,S. and G.D.Sharma,2011. Molecular mechanism of Eugenol activity: A computational study. InAdvanced Computing Applications, Databases and Networks(eds S.Ara begum & P. Das0, Narosa Publishing,house pvt ltd, New Delhi, pp 61-65. ISBN 978-81-8487-109-8.
- 221.A.K.Das, B.K.Datta and G.D.Sharma, 2011.Ethnobotanical study of Hmar tribe of Southern Assam. Assam Univ. Jour.Sci.Tech.vol. 8, 8-18. ISSN09752773.
- 222.R.Roy,P.B.Mazumder and G.D.Sharma 2011. Genetic variabilityof traits conferring drought resistance to bold grained rice genotypes (*Oryza sativa* L.) of Barak Valley, Assam, India, Assam Univ.Jour.Sci tech.vol.8, 31-36.ISSN 09752773.
- 223.S.Salam,M. Bawari and G.D.Sharma 2011Phytomedicines of Manipur withneuroprotective properties. Review.Assam Univ Jour.Sci tech vol.8, 103-108. ISSN>09752773.
224. Aibam,P.,Kojjam,l. Devi, Th.I. Singh,O.A,Oinam,G.,Tiwari.O.N. and G.D.Sharma 2011. Future Bio-Fuel from algae. Assam Univ.Jour.Sci.Tech.vol.8, 127-140. ISSN 09752773.
225. Deb Roy, B, B.Deb and G.D.Sharma 2011. Molecular approaches in the studies of rhizospheric microorganisms. Assam Univ.Jour.Sci.Tech vol8, 109-122. ISSN 09752773.
- 226.P.Chetia,S.Nath,A.Mitra,K.Mazumder,M.A.Laskar, M.D.Chaudhury and G.D.Sharma 2011. Introducing BioanalyticaV1.0:Perl Based Software for biological sequence analysis. Assam Univ. Journ.Sci. Tech. vol.8 pp80-88.ISSN 09752773.

227. Ishita Deb, Sengupta, M. G.D.Sharma and B.Chakraborty 2010. IBT/04 antifertility and immunomodulatory effects of *Ocimum sanctum* on Swiss albino mice. Indian Journ. Com. Vol. 12 (2), ISSN0972-0561 print, ISSN 0973-9149, online published in 2011.
228. Gang, S. Chakraborty, B. G.D.Sharma, G.D. and Sengupta. M 2010. IBT/011 Intercellular survival of *Staphylococcus aureus* and associated immunological dysfunctions in cadmium intoxicated mice. Jour. of Immunology and Immunopathology Vol 12 (2).. ISSN 0972 - 0561print, 0973-9143, online published in 2011.
229. P. Huidrom, Jan, A.T., Haq, QMR, G.D.Sharma 2011. Molecular characterization of endosulfan tolerant rhizospheric microbes from tea gardens of Silchar, Assam, Indian Journal of Experimental Sciences, vol2 (2) , ISSN 2218-1768
230. Giri, A. S.S.Yadav, G.D.Sharma and S.Giri 2011. Predator enhances micronucleus frequency in larval Indian skittering frogs (*E.cyanophylctis*). Aquatic toxicology, ISSN 0166-445x, Impact factor 3.8. Elsevier, USA.
231. Chanu, T.T., P.Panda, P.Mazumder, D.Kumar, G.D.Sharma, L.Sahoo, S.K.Panda 2011. Excess copper induced oxidative stress and response of antioxidants in rice. Plant Physiology and Biochemistry 53, 33-39.. Impact factor 3.1. DOI.10.1016.plaphy.2012.01.006.
232. Giri, A. Yadav, S.S., Giri, S. and G.D.Sharma 2011 Effect of predator stress and malathion on tadpoles of Indian skittering frog. Aquatic Toxicology, vol.106-107, 157-163. (ISSN 0166-445x) Impact factor, 3.8.
233. Sengupta, M., G.D.Sharma and B.Chakraborty, 2011, Effect of aqueous extract of *Tinospora cordifolia* on functions of peritoneal macrophages isolated from intoxicated male albino mice. BMC Complementary and Alternative Medicine, 11, 102-108. (ISSN 1472-6882) Impact factor 2.20.
234. Choudhury, C., Bawari, M. and G.D.Sharma 2011. Assessment of neurotoxic potential of medicinal plant extract on mice. The EcoScan: special issue vol.1; 299-304. ISSN 0974-0376.
235. Bhattacharya, S.D., Bhattacharya, D. and G.D.Sharma 2011. Disjunct distributional record of an endemic liverwort *Chiloscyphus campanulatus* Steph. From Assam in Indo-Burma biodiversity hotspot. Current Science vol.101(7), 825-827. ISSN 011-3891. Impact factor; 0.78.
236. Devi, S. and G. D. Sharma 2011. Study on air mycoflora at three different study sites in South Assam. National Journal of Life Sciences, vol8(1), 1-6. ISSN:0972-995x.
237. Chowdhury A, Dey, P, Sen, S, Chetia, P, Choudhury, M.D. and G.D.Sharma 2011. An in vitro appraisal of few bioactive compounds against KAS-A for anti tubercular drug efficacy. Asian Journal of Pharmaceutical and Clinical Research vol 4(3), ISSN0974-2441. Impact factor 0.7.
238. Upadhyaya, R.K., G.D.Sharma and S.K.Panda 2011. Responses of antioxidant metabolism and defense mechanism of aquatic macrophyte, *Pistia stratiotes* L. to zinc treatment under copper stress. Proceed. National Academy of Sciences, India, 81B, Part IV, 416-421. ISSN03698211.
239. Sharma, A.S., Ushakarim, T, Devi, W.I., Maibam, G.O. Singh, A.S., Tiwari, O.N. and G.D.Sharma 2012 Potential microalgae for third generation biofuel. Assam Univ. Journ. of Sci.& Tech.(Biol. & Environ. Sci). vol.9 (1), 105-116. ISSN0975-277.
240. Dhritman and G.D.Sharma 2012. Arbuscular mycorrhiza in the cultivation of medicinal plants. In Researches in medicinal and Aromatic Plants (Dutta Choudhury, MD, G.D.Sharma, A.Das Talukdar & S.Choudhury). Swastic Publication, New Delhi ISBN 9289380752-624 pp 38-47.
241. S.Choudhury, S.M.D.Choudhury, G.D.Sharma 2012. Studies on the antibiotic efficacy and characterization of compounds from crude leaf extract of *Pajanelia longifolia*. In Researches in medicinal and aromatic plants (Choudhury et al) Swastic Publ. New Delhi, 306-312. ISBN 9289 380752-652

242. J. Majumdar, A. A. Laskar, M. D. Chaudhury, S. Chaudhury, P. Chetia, A. D. Talukdar, G. D. Sharma 2012. Antitubercular property of guaiacol. In *Researches in medicinal and aromatic plants*. Swastic Publ., New Delhi (eds Chaudhury et al) 15-22. ISBN 9289 380752- 652.
243. Bhattacharjee, M. K., P. B. Majumder and G. D. Sharma 2012. Studies on free living nitrogen fixing bacteria associated with non leguminous plants: A review. *Assam Univ. J. Sci & Tech.* 18-23 ISSN 0975-2775.
244. Chakraborty, S. I. Deb, M. Sengupta and G. D. Sharma 2012. Effect of cadmium exposure on testicular macrophages in adult male albino mice. *Assam Univ. J. Sci Tech.*, (1), 58-61. ISSN 0975-2773.
245. Deb, I., Chakraborty, S. G. D. Sharma and M. Sengupta. 2012. A study on semen quality and its correlation with mercury exposure in infertile men compared with a normal population. *Assam Univ. J. Sci. & Tech.* (1), 75-80. ISSN 0975-2773.
246. Ingh, L. S., P. B. Mazumder G. D. Sharma, Th. D. Singh and L. K. Singh 2012. Rapid analysis of MDR and XDR Mycobacterium tuberculosis in the clinical isolates of Manipur and neighboring states in India. *Assam Univ. J. Sci. and Tech.* (1), 139-150 ISSN 0975-2773
247. Dineshwari, Y., CH. Silva, K. Ojit Singh, Indrama, Laxmipriya, K. Gunapati, O. Gyaneshwari, M. O. N. Tiwari and G. D. Sharma 2012. Bioremediation of heavy metals by cyanobacteria. *Assam Univ. J. Sci & Tech.* ((1), 191-207. ISSN 0975-2773.
248. Das, S. and G. D. Sharma 2012. Habitats of marchantiophyta (Bryophyta) in Barail wild life sanctuary, Assam : a preliminary field observation. *Assam Univ. J. Sci and Tech.* (1), 208- 210. ISSN 0975-2773
249. Chowdhury, A., Dey, P., Sen, S., Chetia, P., Choudhury, M. D. and G. D. Sharma 2012. An in silico appraisal of few bioactive compounds against KAS-A for anti tubercular drug efficacy. *Asian Jour. Pharma. and Clinal Res.* 5(1), 60-62. ISSN 0974-2441. Elsevier, Impact factor 0.7.
250. Choudhury, D. J. K. Sahoo and G. D. Sharma 2012. Bamboo Shoot; Microbiology, Biochemistry and Technology of Fermentation. *Indian Journal of Traditional Knowledge*, 11 (2), 242-249. ISSN 0 Impact factor, 0.232.
251. B. Rajkumar, G. D. Sharma and A. K. Paul 2012. Isolation and characterization of heavy metal resistant bacteria from barak river contaminated with pulp paper effluent, South Assam. *Bull of Environmental Contamination and Toxicology*. USA DOI 10, 1007/s 00128- 012-0675-y. ISSN 0007-4861. Impact factor 1.2
252. Borah. P., G. D. Sharma and P. K. Baruah 2011. Fungal decomposition of *Tectona grandis* leaf litter in Garbhanga Reserve Forest, Basisth, Assam. *Proceeding Plant Resource Management and Conservation*, pp 261-268.
253. Borah, P. G. D. Sharma 2012. Litter decomposition in Tropical Humid Forest. In : *Microbial Diversity and Functions* (eds Bagyaraj, D. J., Tilak, KVBR & Kehri H. K.) pp 231-256. ISBN 978938141-10-9.
254. Bendangmenla, Ajungla, T, Jamir N. S. and G. D. Sharma 2012. Use of Ectomycorrhizal Technology in Reclamation and reforestation of degraded land. In: *Microbial Diversity and Functions* (eds Bagyaraj, D. J., KVBR, Tilak & Kehri, H. K.) pp 669-688. New India Publication, New Delhi. ISBN 789381450109.
255. Laskar, F. Nevita, T. and G. D. Sharma 2012. Isolation and identification of endophytes from different cultivars of Rice (*Oryza sativa* L.) under wetland and upland conditions in South Assam. *Jour. Pure and Applied Microbiology*, 6, 357-362. ISSN 0973-7510. IF 0.3
256. Bhattacharjee, S. and G. D. Sharma 2012. Effect of dual inoculation and Rhizobium on the growth and nodulation of Pigeon pea (*Cajanus cajan* L). *Jour. Pure and Applied Microbiol.* 6, 395-399. ISSN 0973-7510. Impact factor 0.3.
257. Ajungla, T. G. D. Sharma and M. S. Dkhar. 2012. Response of ectomycorrhizal pine seedlings to heavy metal pollution. In *Bioremediation of Pollutants*. (Eds, D. K. Maheshwari and R. C. Dubey). I. K. International Ltd., New Delhi pp 128-149. ISBN 978-9381141-054.

258. Chaudhury, S., Sharma, P., Choudhury, M.D.C. and G.D. Sharma 2012. Ethno medicinal plants used by Chorie tribe in Southern Assam, north eastern India. *Asian Pacific journal of Tropical Disease* 1-6, Elsevier, USA, Impact factor.37, ISSN 1995-76450 coden APJTB-6.
259. Nath, R. G.D. Sharma and M. Barooah 2012. Efficiency of tricalcium phosphate solubilisation by two different endo phytic *Penicillium* species isolated from tea (*Camelia sinensis* L.) *European Journal of Experimental Biology*, 2(4), 1354-1358, ISSN 2248- 9215.
260. Devi, M.R., Bawri, M. Paul, S.B. and G.D. Sharma 2012. Characterization of toxic effects induced by *Datura stramonium* L. Leaves on mice; a behavioural , biochemical and ultrastructural approach. *Asian Journal of Pharmaceutical and Clinical Research* 5(suppl.3) 143-146, ISSN 074 2441 Impact factor 0.7, Elsevierpubl.
261. Kumar, M. Nath, S. Prasad H.K., G.D. Sharma and Yong, Li 2012. Micro RNAs : a new ray of hope for diabetes mellitus. *Protein& Cell* vol 3 (10), 726-738. DOI 101007/s13238-012, ISSN 1674-8018 Springer Verlag, Berlin Germany.
262. Alka and G.D. Sharma 2012 . Ethanol production from native yeast isolated from local cultivars of *Musa* sp. *World Journal of Science and Tech.* 2(7) 113-117. ISSN 2231-258.
263. Alka and G.D. Sharma 2012 . Fermentation of Jahaji Kola (*Musa acuminota*) and production of wine using *Saccharomyces cerevisiae* and non *Saccharomyces* yeast. *Biotechnogy* 1(4) ISSN 2277-8179.
264. Supriya Devi and G.D. Sharma 2012. Biological control of Blast disease (*Magnaporthe grisea*) of rice by some phyllosphere fungi in vitro. *Jour. Of Pure and Applied Microbiology* 6, (3) ISSN 0973-7510. Impact factor 0.3.
265. Borah. P., Chetia, P and G.D. Sharma 2012. Molecular Characterization of bacterial species isolated from the leaf litter of *Tectona grandis*. *International Journal of Bioassays(IJB)* *ijbio.com*, 403-407. ISSN 2278-778x.
266. Supriya Chakraborty, S.K. Bhattacharya and G.D. Sharma 2012. Comparative study of Neis, D with other generic measures between Barak Valley Muslims other Nations for ABO locus. *Notulae Scientica Biol.* Vol 4 (1), 12-17, ISSN -2067-3205.
267. Goel, G., Pandey, P. A. Sood, S. Bisht, D.K. Maheshwary and G.D. Sharma 2012 Transformation of pWVO in *Rhizobium leguminosarium* dpt to engineer toluene degrading ability for rhizo remediation *Indian Journ. of Microbiol.* 52(2), 197-202. ISSN 0973-7715. Impact factor 0.9 .
268. Pandey, P. S. Bisht, A. Sood, A. Aeron, G.D. Sharma and D.K. Maheshwary 2012. Consortium of plant growth promoting bacteria: Fututre prospective in agriculture. In *Bacteria in agriculture : Plant Probiotics* (ed D.K. Maheshwary). Springer Verlag. Berlin Germany DOI 10-1007/9783-642-27515-9-10, pp 185-198.
269. Shuvashish Choudhury, P. Sharma. M. Dutta Choudhury and G.D. Sharma 2012. Ethnomedicinal plants used by Chorei tribes of Southern Assam, North Eastern India. *Asian Pacific Journal of Tropical Disease*, S141-S147. Elsevier, USA. DOI. 10.1016/S2222-1808.IF 0.403.
270. Sujata Bhattacharjee and G.D. Sharma 2012. Effect of dual inoculation of arbuscular mycorrhiza and *Rhizobium* on the chlorophyll, nitrogen and phosphorus contents of pigeon pea (*Cajanus cajan* L), *Advances in Microbiology* vol.2, 561-564. Doi-10.4236/aim-2012.24072.
271. S. Das and G.D. Sharma 2012 . Barail Wildlife Sanctuary, Assam: an eco-climate reservoir of diverse liverworts of North – East India. *Current Science.* Vol. 103 (10) 1140-1141.
272. S.D. Purkuyastha M.K. Bhattacharya, H.K. Praad, H.U. Upadhyay, K. pal, G.D. Sharma, S.D. Lala 2013. Antibacterial activity of *Staphylococcus hominis* against Gram negative organism. *Ecobios.* Vol. 6 (182) 22-27.

273. Chakraborty, D, G.D.Sharma and B.Deb. 2013. Biofertilizer effect on growth of sugarcane (*Saccharum officinarum* L.) cultivated in Barak valley in Assam. Indian Journal of Science 3 (6), 42-44 ISSN23190-7730. EISSN2319-7749.
274. Sudipa Das and G.D.Sharma 2013. Inventorization of Marchantiophyta in Barail Wildlife Sanctuary, Assam, India with special reference to their microhabitat. Archive for Bryology, 166, 1-27.
275. F. Malina Singha and G.D.Sharma 2013. Biodiversity of rhizospheric soil bacteria and arbuscular mycorrhiza (AM) fungi in some of the wild medicinal plants of Barak valley. Current world Environment 8, (1) 123-126.
276. V.K. Gupta, L.P.Yadav, G.D.Sharma and M.G.Tuohy 2013 . Microbial Engineering for developing stress tolerant cultivars-an innovative approach In : Applications of Microbial Engineering,Eds V.K.Gupta, M. Schmoll, M.Maki, M. Tuohy and M. A. Mazutti. Science Publishing House, CRC Press Taylor and Francis USA, ISBN 9781466585775 pp 272-299 (chapter 4). <http://wwwcrepress.com/product/isbn9781466585775>.
- 277.M.Sengupta, Ishita Deb, G.D.Sharma and K.K.Kar 2013. Human sperm and other seminal constituents in male infertile patients from arsenic and cadmium rich areas of South Assam. System Biology in Reproductive Medicine. DOI. 10.30191/ 19306368.05/2013 Impact factor 0.8.
278. V.K.Gupta, M.G.Tuohy, G.D.Sharma and S.Gaur 2013. Applications of Microbial Genes in Enzyme Technology. Nova Science Publisher, USA. ISBN -978-1-62417-808-5.<http://wwwnovapublishers.com/latalog/product-infor-info.php?products.id=39021>.
279. Deb Roy, B., Deb, B. And G.D.Sharma 2013 Isolation, Characterization and screening of Burkholderia caribensis of rice ecosystems of south Assam, India, African Journal of Agricultural Research 8 (4), 349- 357. ISSN 1991-637x Impact factor 0.8.
280. Mazumder, P. M.K.bhattacharjee and G.D.Sharma 2013. Revealing biocontrol prospective of a few bacterial isolates segregated from tea rhizosphere of Barak Valley, Assam, India against fungal pathogens, IOSR Journal of Pharmacy and Biological Sciences vol.6(1), 26- 29. ISSN 2319-7676.
281. Dehney, B. K.S.Sarma, R. Sarmah,J. Sahu, S.Sahu M.Sahu, P.Sen, M. K. Modi G.D.Sharma, M.D.Choudhury and M. Barooah 2013. In silico analysis of super oxide dismutases (SOPS) of rice (*Oryza sativa*) . Journal of Plant Biochem . Biotech. 22(1) 150- 156. ISSN 0971-7811. Impact factor 0.52.
282. Pradosh Mahadoni, G.D.Sharma and S.K.Ghosh 2013 Identification of ethnomedicinal plants (Rauvolfioideae: Apocyanaceae) through DNA barcoding from north east India.Pharmacognosy Magazine vol.9(35), 255-263. DOI 10.4103/0973-1296.113284. ISSN 0973-1296. Impact factor 1.52.
283. Folguni Laskar and G.D.Sharma 2013. Isolation and characterization of diazotrophic bacteria from rhizosphere of different rice cultivars of South Assam, India. Current World Environment vol.8 (1), 157-163. [Dx.doi.org/10.12944/CWE.8.120](http://dx.doi.org/10.12944/CWE.8.120).
284. Folguni Laskar, G.D.Sharma and B.Deb 2013. Characterization of plant growth promoting traits of diazotrophic bacteria and their inoculating effects on growth and yield of rice crop. Global Research Analysis (Biotechnology) vol 2(4), 3-5. ISSN2277-8100.
285. R.C.Roy, G.D.Sharma, S.R.Barman and S.Chanda 2013. Trends in Candida infection and anti fungal resistance in a tertiary care hospital of North East India. African Journal of Microbiology Research. Vol. 7 (24), 311-3116. DOI 10.58971 AJMR 122257. ISSN 1996-080822013 Academic Journal.
286. R.Bora, A.K.das, G.D.Sharma and N.Raman 2013. Ecology and taxonomic study of *Acanthus leucostachyus* Wall.Ex Nees: A promising ethnomedicinal plant from Assam. Journal of Non Timber Forest Products. 20(2), 95-98. ISSN 0971-9415.
287. V.K.Gupta, G.D.Sharma and M.G.Tuohy 2013. Biotechnology of Trichoderma: An overview. In :Application of microbial genes in enzyme technology (eds V.K.Gupta,

M.G.Tuohy,G.D.Sharma and S.Gaur). Nova SciencePublisher , New York, USA. ISBN: 978-1-62417-808-5. Pp375-393.

288. Chaudhury Chinmoy, M.Bawari and G.D.Sharma 2013. Biochemical screening of the effect of a plant extract on Albino mice physiology. International Journal of Scientific Research vol. 2(8) .38-39. ISSN 2277-8179. Impact factor 0.33.
289. Manidipa Roy, G.D.Sharma and Ch.V.Raman 2013. Isolation and characterization of phosphate solubilising Pseudomonas sp from rhizospheric soil of rice. Indian Journal of Applied Research 3, (9), 1-3. ISSN 2249-555x. Impact factor 0.8315.
290. F. Malina Singha and G.D.Sharma 2013. Effect of mycorrhizal fungi and Rhizobia inoculation on the growth of *Crotalaria pallid*: an approach to tripartite symbiosis. Global Research Analysis, 2(6),31-33. ISSN 2277-8160. Impact factor:0.2714.
291. F. Malinga Singha and G.D.Sharma 2013. Biodiversity of rhizospheric bacteria and Arbuscular Mycorrhizal (AM) fungi in some of the wild medicinal legumes of Barak Valley. Current World Environment 8 (1), 123-126. ISSN 0973-4929.
292. Benkee Thiyam and G.D.Sharma 2013. Isolation and identification of fungi associated with local fruits of Barak Valley, Assam. Current world Environment, 8 (2), 319-322. ISSN 0973-4929.
293. Tali Ajungla and G.D.Sharma 2013.. Neutralization of heavy metals toxicity by *Cenococcum graniforme* in the establishment and survival of *Pinus kesiya* (Royal ex Gordon). Seedlings. International Journal of Life Sciences, Biotechnology and Pharmacy Research. 2(4), 279-283, ISSN 2250-3137, Meghna Publ,Hyderabad.
294. B.Dehuri, M.Sahu, K.Sarma, J.Sahu, P.Sen, M.K.Modi,G.D.Sharma, M.D.Choudhury, and M.Baruah 2013. Molecular phylogeny, homology modelling and molecular dynamics simulation of race specific bacterial blight disease resistance protein (xa5) of rice : comparative agriproteomics approach. Omics:Journal of Integrative Biology, 17(8),423-438, doi-10.1089/omi2012.0131 ISSN1536-2310. Impact factor 2.730.
295. M.Sengupta,I.DeB,G.D.Sharma and K.K.Kar 2013. Human sperm and other seminal constituents in male infertile patients from arsenic and cadmium rich areas of Southern Assam. Systems Biology Reproductive medicine. Vol.59 (4) 199-209.doi-10.3109/19396368.2013.783143. Impact factor 1.847.
296. R.C.Roy, G.D.Sharma, S.R.Barman. S. Chanda 2013. TREND IN Candida infection and antifungal resistance in a tertiary care hospital of North East india. African Journal of Microbial Research. 7(2), 3112-3116, DOI.105897/AJMRI 22257, ISSN-1996-0808. Impact facor .54, Thompson, Nigeria.
297. P.B.Mazumder, G.D.Sharma, M.K.Bhattacharjee, O.N.Tiwari,Laxmi Priya, Abhijeet 2013. Elucidating nitrogen fixing ability for an isolate segregated from tea rhizosphere of south Assam, India. IOSR Journal of Pharmacy and Biological Sciences, vol 6(1), 30-31. ISSN 2278-3008, Impact factor 1.138.
298. R.Nath, G.D.Sharma and M.Barooah 2013. Screening of endophytic bacterial isolates from tea (*Camellia sinensis*L) roots for their multiple growth promoting activities. International Journal of Agriculture, Environment and Biotechnology, 6 (3), 371-376, New Delhi. ISSN 0974-1712. Doi. 10.5958/j-2230732x6.3.005, NAAS rating 3.9.
299. B.Rajkumar and G.D.Sharma 2013. Seasonal bacteriological analysis of Barak river, Assam, India. Applied Water Science, Springer, vol.3, 625-630. Doi.10.1007s-13201-013-0120-3.
300. V.K.Gupta, R.Potomorhi,A.O.Donovan, C.P.Kubiseck,G.D.Sharma and M.G.Tuohy 2013. Bioenergy research: An overview on technological developments and bioresources. In Bioenergy research: Applications and Advancements (eds V.K.Gupta, M.G.Tuohy,C.P.Kubick J.Saddler, Feng,X.U). Elsevier Publ, The Netherlands.pp 24-47 ISBN9780444585614 &pagename=search.
301. V.K.Gupta,M. Tuohy and G.D.Sharma 2013. Trichoderma in Bioenergy research : An overview . In Biology and Biotechnology of Trichoderma. Eds Gupta V.K., Schmoll, M. Herrera Estrella,

Upadhyay R.S., Druzinina, I.S and Tuohy, M.G. Elsevier, The Netherlands on line published, ISBN 9780444595768. [http://store Elsevier.com/product.jsp?isbn=9780444595768](http://store.elsevier.com/product.jsp?isbn=9780444595768) &page name =search.

302. V.K.Gupta Devrejan Thongadurai & G.D.Sharma 2014 . Microbes for Health, Industry and Environment, Bentham Science, UAE (In Press).
- 303 .L.Shivdutta Singh, P.B.Mazumder and G.D.Sharma 2014. Analysis of mutational pattern multi drug resistant tuberculosis (MDR.TB) in a geographically isolated north eastern region of India. IOSR Journal of Pharmacy and Biological Sciences 9 (1), ver III, pp4 -10 eISSN 2278-3008, pISSN 2311-7676, www.iosrjournal.org, Impact factor 1.138
304. A.J.Rabha, A.Naylot, G.D.Sharma, H.K.Gogoi, and V. Veer 2014. In vitro evaluation of antagonism of endophytic *Colletotrichum gloeosporioides* against potent fungal pathogen of *Camelia sinensis*. Indian Journal of Microbiology. ISSN00468991. DOI 10. 1007/S 12088- 014 Impact Factor: 0.9.
305. G.D.Sharma, Hijri Mohamed, D.Chanda and D.K.Jha 2014. Isolation and screening of some filamentous fungi with various trace metals. Indian Journal of Applied Research.(Microbiology) vol 4 (2), 53-57. ISSN 2249-555x. Imfact factor 2.16.
- 306 S. Das and G.D. Sharma 2014. Genus *solenostoma* (Jungermanniaceae, Hepaticae) in Barail wildlife sanctuary, Assam with new records of *S. virgatum* from India. An International Journal Environment and Biodiversity vol. 5 (2) 33-36.
307. G.D.Sharma, D.Chanda and D.K.Jha 2014. 16S rDNA sequence based phylogenetic analysis of some bacterial phytoplasma. International Journal of Scientific Research, vol3(3). 21-23. ISSN 2277-8179. Impact factor, 1.86.
308. Aparna Jyoti Rabha, A. Naglot, G.D.Sharma, H.K.Gogoi and V.Veer 2014. In vitro evaluation of antagonism of endophytic *Colletotrichum gloeosporioides* against potent fungal pathogens of *Camellia sinsis* Indian J. Microbiol. 54(3), 302-309. ISSN 00468991, DOI.1007/s12088-014-0458-8, Impact factor 0.46.
309. L.S.Singh, P.B. Mazumder and G.D.sharma 2014. Analysis of mutational pattern in multi drug resistant tuberculosis (MDR TB) in geographically isolated north eastern region of India. IOSR Journal of Pharmacy and Biological Sciences 9(III), 4-10. eISSN 2278-3008, p ISSN 2319-7676 Impact factor 1.138 www.iosrjournal.org.
310. Chakrabarty,J., G.D.Sharma and Tamang, J.P. 2014. Traditional Technology and product characterization of some lesser known ethnic fermented food and beverages of North Kachar Hills District of Assam. Indian Journal of Traditional Knowledge 13(4) , 706 -715 Impact Factor 0.492.
311. Dhritman, Chanda, G.D.Sharma and D.K.Jha 2014. The potential use of arbuscular mycorrhiza in the cultivation of medicinal plants in Barak Valley, Assam: A review. Current world Environment 9 (2), 544-551. DOI.10.12944/CWE9.2.40.
312. Basumatary, Silu, Das, A.K., Raaman N, Sharma, G.D., Baalan, L and Bora,R. 2015. Phytochemical screening and antimicrobial activity of leaf and fruit extracts of *Hodgsonia heterocilita* (Roxb.) Hook.f & Thompson . Jour.of International Academic Research for Multidisciplinary. Vol.3 (2), 358-365, ISSN 2320-5083 www.jiarm.com Impact factor 1.625.
313. Rekha Bora, Das A.K. Raman. N., Sharma,G.D. and Balan .L. 2015 .Preliminary phytochemical screening and antioxidant activity of *Thottea tomentosa* (Blume) Ding Hou (Aristolochiaceae) from Assam. International Journal of Current Research vol 7 (2), 12384- 12387, ISSN 0975833X, <http://www.journalcra.com> Impact factor 3.54.
314. D. Chanda, G.D. Sharma, D.K. Jha, M. Hijri and F. Alotaibi 2015 Isolation and eharaterization of phytophaga sp from paper mill polluted soil. International Journal of Research, Microbiology, 3(12), 1-4. ISSN. 2277-8179.
315. Rekha Bora, Das A.K. Raman. N., Sharma,G.D. and Balan .L. 2015 Preliminary phytochemical screening and antioxidant activity of *Thottea tomentosa* (Blume) Ding Hou (Aristolochiaceae)

316. Sumi Das Purkhayastha, Bhattacharya MK, Prasad HK, Upadhyaya H, Pal K, Sharma GD. 2015. Antimicrobial activity of lactobacillus fermentum, a volvo vaginal isolate. Asian j pharm clin res, vol 8, issue 2, 2015, 371-372, ISSN -0974-2441.
317. Silu Basumatary, Das, A. K., Sharma, G. D. And Raaman N 2015 Hodgsonia heteroclita (roxb.) Hook.f. And thomson : study of a wild promising ethnomedicinal plant from kokrajhar district, assam. International journal of current research vol. 7, issue, 01, pp.11386-11388, january, 2015. Issn: 0975-833x. [Http://www.journalcra.com](http://www.journalcra.com)
318. Nath, R. Sharma, G. D. Barooah, M. 2015 . Plant growth promoting endophytic fungi isolated from tea (camellia sinensis) shrubs of assam, india. Applied ecology and environmental research 13(3): 877-891. Issn 1589 1623 (print) ISSN 1785 0037 (online). [Http://www.aloki.hu](http://www.aloki.hu).
319. Ojit SK, Thadoi DA, Indrama Th, Avijeet SO, Gunapati O, Tiwari ON and Sharma GD 2015. Fatty acid profiling of filamentous non-heterocystous cyanobacteria from Loktak Lake, the largest freshwater lake in North-Eastern region of India. International Research Journal of Biological Sciences ISSN 2278-3202 Vol. 4(6), 69-74, June (2015) Int. Res. J. Biological Sci.
320. Tiwari Onkar Nath, Ojit Singh Keithellakpam, Avijeet Singh Oinam¹, Indrama Thingujam, Gunapati Oinam, Subhalaxmi Sharma Aribam, Silvia Chungkham, Romi Khangembam, Gauri Dutt Sharma 2015. Isolation, morphological and biopigments evaluation of the genera Nostoc and Anabaena (Nostocales) from Loktak Lake. ISSN 2320- 5407 International Journal of Advanced Research (2015), Volume 3, Issue 5, 1597-1607
321. Gunapati oinam*, th. Indrama, o. Avijeet singh, k. Ojit singh, laxmipriya kojiam, chungkham silvia, a. Subhalaxmi sharma, wangkhem indira, minerva shamjetshabam, romi khangembam, angom thadoi, G. D. Sharma and o. N. Tiwari. 2015. Characterization and conservation of diazotrophic Nostoclean cyanobacteria of north eastern region of India falling under indo-burma biodiversity hotspots. National Journal of Life Science, Vol. 11(2) 2014 : 101-128 ISSN : 0972-995X (Print), 2321-7960 (Online).
322. Onkar Nath Tiwari*, Thingujam Indrama, Keithellakpam Ojit Singh, Oinam Avijeet Singh, Gunapati Oinam, Laxmipriya Kojiam, Aribam Subhalaxmi, Angom Thadoi, Wangkhem Indira, Chungkham Silvia, Romi Khangembam, Minerva Shamjetshabam, Pukhrabam Premi, Thiyam Bidyababy, Kangjam Sarabati and Gauri Dutt Sharma. 2015 Enumeration
323. , pigment analysis and nitrogenase activity of cyanobacteria isolated from unexplored rice fields of Manipur, India falling under Indo-Burma biodiversity hotspots. International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 4 Number 6 (2015) pp. 666-680. <http://www.ijemas.com>.
- 323 S. Bhattacharjee and G. D. Sharma 2015. Effect of arbuscular mycorrhizal fungi (AM fungi) and rhizobium on nutrient uptake of pigeon pea plant. International Journal of Advanced Research vol. 3 (8) 833-836.
324. S. Basumatry, A.K. Das, N. Raman and G.D. Sharma 2015. In-vitro evaluation of antioxidant properties of *Hodgsonia heteroclita* (Cucurbitaceae) fruit. Journal of Applied Pharmaceutical Sciences 5(3) 80-83. ISSN: 2231-3354. Doi.10.7324/japs.2015.510.514. Impact Factor: 0.63.
325. S. Das and G.D. Sharma 2016. Some noteworthy and new records of liverworts from Barail wildlife sanctuary assam, India. Plant Science Today 3 (2) 100-108.
326. Aparna J. Rabha, A. Noglott, G.D. Sharma, H.K. Gogoi, V. K. Gupta, D.D. Shreemali & V. Veer 2016. Morphological and molecular diversity of endophytic colletotrichum gloeosporioides from tea plant, camellia sinensis (L) O. Kuntze of Assam, India. Journal of Genetic Engineering and Biotechnology, vol. 4 (1) 181-187.
- 327 K. Devi, P. Pnadey and G.D. Sharma 2017. Plant growth promoting endophyte serratia marcescens L. a medicinal plant. Hayati journal Biosciences. Doi.org/10.1016/j.hgb.2016-12-006.

- 328 A.R. Devi, R.Kotoky, P. Pandey & G.D. Sharma 2017. Application of *Bacillus* spp. For sustainable cultivation of Potato (*Solanum tuberosum* L) and the benefits .In. *Bacilli and Agrobiotechnology* .pp185-211.
329. Tali Agungla and G.D. Sharma 2017. Effect of ectomycorrhiza in heavy metal tolerance in Pine. In. *microbes in degraded land new Delhi*.
330. P Mazumder, MK Bhattacharya and GD Sharma 2015. An isolate that has been found to be remarkable to display hostility against a fungal pathogen in the area of Barak Valley, Assam (India). *Int. J. of Pure & Applied Bio-Science* 3(4) 54-56.
331. MK Bhattacharjee, PB Mazumder, and GD Sharma 2016. Identifying different categories of bacteria from a Borak valley tea garden Assam (India). *Int. J. of Pure & Applied Bio-Science* 4(1) 212-215.
332. S Bhattacharjee and GD Sharma 2015. Effect of arbuscular fungi (AM fungi) and Rhizobium on the nutrient uptake of pigeon pea plant. *Int. J. of Advanced Research* 3(8) 833-836.
333. Ganapati Oinam, A Thodai, K Ojit Singh, O. Avijeet Singh, Th, Indrama, Laxmipriya Koijam, Wangkhaw Indira, Changkham Silvia, A Subhalaxmi Sharma, Romi Khangembam, Minerva hamjetshabam, Th. Vidyababy, K Sorbati, ON Tiwari and GD Sharma 2015. Molecular characterization of selected diazotrophic cyanobacteria of North East India for phylogenetic study. *Int. J. of Advanced Research* 3(8) 261-271.
334. Avijeet Singh Oinam, Oijit Singh Koithellakpam, Silvia Changkham, Indrima Thingujam, Gunapati Oinam, Romi Khangembam, Thadoi Devi Angom, Indira Devi Wankhem, Minerva Samjetshabam, Subhalaxmi Sharma Aribam, ON Tiwari and GD Sharma 2015. A comparative study of lipid profiles of cyanobacteria from two biodiversity hotspot of India (Indo-Burma and Western Ghat). *Journal of Microbiology and Biotechnology Research* 5(3) 7-17.
335. Deepjyoti Paul, D Dhar, AP Mourya, GD Sharma, Atanu Chakravarty and Amitabha Bhattacharjee. 2016. Occurrence of co-existing bla VIM-2 and bla NDM-1 in clinical isolates of *Pseudomonas aeruginosa* from India. *Annals of Clinical Microbiology and Antimicrobial*. 15-31. Doi:10.1186/s12941-016-0146-0.
336. Indrama Thingujam, Oinam Gunpati, Avijeet Oinam, Sharma Laxmipriya Koijam, Aribam Subhalaxmi, Ojit Keithellakpam, GD Sharma and ON Tiwari 2017. Distributional pattern of cyanobacteria in rice fields of Manipur India. *The Journal of Indian Botanical Society*. 94(1&2) 52-63.
337. Indrama Thingujam, Ojit Singh Keithellakpam, Avijeet Singh Oinam, Gunapati Oinam, ON Tiwari, and GD Sharma 2016. Optimization of chlorophylla production of some Cyanobacteria from rice paddies in Manipur, India through nutritional and environmental factors. *Philippine Journal of Science* 14594) 373-383.
338. Oijit Singh Keithellakpam, Indira Thingujam, Gunapati Oinam, Avijeet Singh Oinam, Silviq Chungkham, Indira Wankham, Bidyababy Thiyam, Sarabati Kangjam, Subhalaxmi Sharma Aribam, Thadoi Angon, Romikhangambam, ON Tiwari and GD Sharma 2015. Morphological and molecular characterization of potential Cyanobacteria isolated from Loktak lake. *Int. J. of Advanced Research*, 3(6) 19-27.
339. Deepjyoti Paul, Debadatta Dhar Chanda, Anand Prakash Maurya, Shweta Mishra, Atanu Chakravarty, Gauri Dutt Sharma, Amitabha Bhattacharjee. Co-Carriage of blaKPC-2 and blaNDM-1 in Clinical Isolates of *Pseudomonas aeruginosa* Associated with Hospital Infections from India. Published: December 29, 2015
340. Deepjyoti Paul, Debadatta Dhar, Anand Prakash Maurya, Shweta Mishra, Gauri Dutt Sharma, Atanu Chakravarty and Amitabha Bhattacharjee 2016 . Occurrence of co-existing bla VIM-2 and bla NDM-1 in clinical isolates of *Pseudomonas aeruginosa* from India.
341. Deepjyoti Paul,1 Anand Prakash Maurya,1 Debadatta Dhar Chanda,3 Gauri Dutt Sharma,2 Atanu

Chakravarty,3 and Amitabha Bhattacharjee1 2016. Carriage of blaNDM-1 in *Pseudomonas aeruginosa* through multiple Inc type plasmids in a tertiary referral hospital of northeast India

342. Khaidem ArunaDevi1PiyushPandey1Gauri DuttSharma2 2016. Plant Growth-Promoting Endophyte *Serratia marcescens* AL2-16 Enhances the Growth of *Achyranthes aspera* L., a Medicinal Plant. HAYATI Journal of Biosciences Volume 23, Issue 4, October 2016, Pages 173-180.
343. Lakshmibala Kshetri1 *, Piyush Pandey1 and Gauri Dutt Sharma2. Solubilization of Inorganic Rock Phosphate by Rhizobacteria of *Allium hookeri* Thwaites and Influence of Carbon and Nitrogen Sources Amendments. JOURNAL OF PURE AND APPLIED MICROBIOLOGY, Dec. 2017. Vol. 11(4), p. 1899-1908.
344. Nisha Bhardwaj, Kakoli Chanda, Bikash Kumar, Himanshu Kishore Prasad, Gauri Dutt Sharma, Pradeep Verma. Statistical Optimization of Nutritional and Physical Parameters for Xylanase Production from Newly Isolated *Aspergillus oryzae* LC1 and Its Application in the Hydrolysis of Lignocellulosic Agro-Residues . Vol 12, No 4 (2017) ISSN: 1930-2126.
345. Khaidem A Devi,Garima Pandey ,A.K.S Rawat, Gauri D. Sharma and Piyush Pandey . The Endophytic Symbiont – *Pseudomonas aeruginosa* Stimulates the Antioxidant Activity and Growth of *Achyranthes aspera* L.
346. Angom Romita Devia Gauri Dutta Sharmab Pranab Bihari Majumdar cPiyush Pandeya. A multispecies consortium of bacteria having plant growth promotion and antifungal activities, for the management of Fusarium wilt complex disease in potato (*Solanum tuberosum* L.). Volume 16, October 2018,
347. R. SAHA1 , S. ROYCHOUDHURY1 , K. KAR2 , A. C. VARGHESE3 , P. NANDI4 , G. D. SHARMA5 , G. FORMICKI6 , P. SLAMA7 , A. KOLESAROVA . Coenzyme Q10 Ameliorates Cadmium Induced Reproductive Toxicity in Male Rats. November 26, 2018. *Physiol. Res.* 68: 141-145, 2019 doi: 10.33549/physiolres.934000
348. Tiwari, S.Jodha V, S.K and G.D. Sharma 2020. Fungal Bioengineering in Biodiesel Production. In *Fungal Biotechnology and Bioengineering*, Springer- Nature Publication.pp-199-208 Switzerland. ISBN-978-3-030-41869-4.

Ten most cited Research papers (Prof. G.D. Sharma)

S. No.	Title of Papers	Citation	Impact Factor
1.	Soil microbial populatin numbers and enzyme activities in relation to altitude and forest degradation. Soil Biology and Biochemistry, Elsevier, UK.	124	4.15
2.	Genotoxic effects of malthion : an organophosphorous insecticide using three mammalian bio-assays in vivo. Mutation Research, USA.	131	3.68
3.	Excess Copper induced oxidative stress and response of antioxidants in rice . Plant Physiology and Biochemistry. Elsevier, USA.	113	2.92
4.	Medicinal plants used by different tribes of Cachar district, Assam. Indian Journal of Traditional knowledge, New Delhi.	76	0.37
5.	Inductionof sister chromatid exchanges by cypermethrin and carbosulfur in bone marrow cells of mice in vivo. Mutagenesis, Oxford Univ. Press, UK.	63	2.29
6.	Microbial enzyme activities related to litter decomposition near a highway in subtropical forest of North East India. Soil Biology & Biochemistry, Elsevier, UK.	58	4.15
7.	Hepatoprotective and immunomodulatory properties of aqueous extract of curcuma longa in carbon tetra chloride intoxicated swiss albino mice. Asian Pacific Journal of Tropical Biomedicino, Elsevier, UK.	57	0.84
8.	Mutagenic effects of carbosulfan, carbamate pesticide. Mutagenesis Research. Elsevier.	53	2.67
9.	Moisture sorption isotherms, heat of sorption and properties of sorbed water of raw bamboo (Dendrocalamus longispathus) shoots. Industrial crops and products. Elsevier.	50	3.44
10.	Mineral Nutrition in the tripartite interaction between Frankia, Glomus and Alnus at different phosphorous regimes. New Phytologist, UK.	42	7.6