

11. Laplaze, L. *et al.*, *Mol. Plant Microb. Interact.*, 2000, **13**, 107–112.
12. Blom, J. and Hardink, R., *FEMS Microbiol. Lett.*, 1981, **11**, 221–224.
13. Selim, S., Delacour, S. and Schwencke, J., *Arch. Microbiol.*, 1996, **165**, 252–257.
14. Maudinas, B., Chemardin, M. and Gadal, P., *Phytochemistry*, 1982, **21**, 1271–1273.
15. Roelofsens, W. and Akkermans, A. D. L., *Plant Soil*, 1979, **52**, 571–578.
16. Patricia, A. O., Pawlowski, K., Murphy, T. M. and Berry, A. M., *Plant Physiol.*, 1999, **120**, 411–420.
17. Nguyen, T., Zlechowska, M., Foster, V., Bergmann, H. and Verma, D. P. S., *Proc. Natl. Acad. Sci. USA*, 1985, **83**, 5040–5046.
18. Thummier, F. and Verma, D. P. S., *J. Biol. Chem.*, 1987, **262**, 14730–14734.
19. Brisson, N. and Verma, D. P. S., *Proc. Natl. Acad. Sci. USA*, 1982, **79**, 4055–4062.
20. Laplaze, L., Rabeiro, A., Franche, C., Duhoux, E. Auguy, F., Bogusz, D. and Pawlowski, K., *Mol. Plant Microb. Interact.*, 2000, **13**, 113–117.
21. Tjepkema, J. D., *Can. J. Bot.*, 1983, **61**, 2924–2930.
22. Berg, R. H. and McDowell, L., *Protoplasma*, 1987, **136**, 104–109.
23. Soltis, D. E., Soltis, P. S., Moegan, D. R., Swenson, S. M., Mullin, B. C., Dowd, M. and Martin, P. G., *Proc. Natl. Acad. Sci. USA*, 1995, **92**, 2647–2651.
24. Schubert, K. R., *Annu. Rev. Plant Physiol.*, 1986, **37**, 539–550.
25. Long, S. R., in *Plant Microbe Interactions* (eds Kosuge, T. and Nester, E. W.), Macmillan, New York, 1984, vol. I, pp. 265–280.
26. Simonet, P., Normand, P. and Bardin, R., *FEMS Microbiol. Lett.*, 1988, **55**, 141–146.
27. Seguin, A. and Lalonde, M., *Plant Soil*, 1989, **118**, 221–229.
28. Albrecht, S. L., Maier, R. J., Hanus, F. J., Russell, S. A., Emmerich, D. W. and Evans, H. J., *Science*, 1979, **203**, 1255–1258.
29. Wall, L. G., *J. Plant Growth Regul.*, 2000, **19**, 167–182.
30. Reddell, P. and Bowen, G. D., *New Phytol.*, 1985, **100**, 115–122.
31. Dawson, J. and Sun, Soon-Hwa, *Can. J. For. Res.*, 1981, **11**, 758–762.
32. Ganesh, G., Ph D thesis, N.E. Hill University, Shillong, 1993.
33. Sougoufara, B., Maggia, L., Duhoux, E. and Dommergues, Y. R., *Acta Oecol.*, 1992, **13**, 497–503.
34. Murray, M. A., Zhongze, Z. and Torrey, J. G., *Can. J. Microbiol.*, 1985, **31**, 804–809.
35. Regensburger, R. *et al.*, *Arch. Microbiol.*, 1986, **144**, 355–366.
36. Sprent, J. I., Sutherland, J. M. and De Faria, S. M., in *A Century of Nitrogen Fixation Research* (eds Bergersen, F. J. and Postgate, J. R.), Royal Society, London, 1987, pp. 45–63.
37. Han, S. D. and New, P. B., *Microb. Ecol.*, 1998, **36**, 193–201.
38. Batzli, J. M., Graves, W. R. and van Berkum, P., *Appl. Environ. Microbiol.*, 1992, **58**, 2137–2143.
39. Verghese, S. K. and Misra, A. K., *Symbiosis*, 2000, **28**, 337–350.
40. Olson, J. B., Steppe, T. F., Litaker, R. W. and Pearl, H. W., *Microb. Ecol.*, 1998, **36**, 231–238.
41. Quesada, A. and Valiente, E. F., *ibid*, 1996, **32**, 59–71.
42. Quesada, A., Leganes, F. and Valiente, E. F., *ibid*, 1997, **34**: 39–48.
43. Quesada, A. *et al.*, *ibid*, 1998, **35**, 147–155.

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Erratum

Mega-geomorphology and sedimentation history of parts of the Ganga–Yamuna plains

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The course of the Ganga river in this region has been described as a zone of subsidence that demarcates the boundary between the tectonically uplifted block situated on the southern bank of the river with north-facing escarpment and the northern block with extensive floodplain. A reconnaissance hydrogeomorphic map of this

region using Landsat images identified three distinct divisions as upland tract, ravinous tract and floodplain¹.

Should read as:

The course of the Ganga river in this region has been described as ‘a zone of subsidence that demarcates the boundary between the tectonically uplifted block situated on the southern bank of the river with north-facing escarpment and the northern block with extensive floodplain’^{1a,b}. A reconnaissance hydrogeomorphic map of this region using Landsat images identified three distinct divisions as upland tract, ravinous tract and floodplain^{1b,c}.

- 1a. Singh, I. B. and Rastogi, S. P., *Curr. Sci.*, 1973, **42**, 305–307.
- 1b. Bajpai, V. N., *Photonirvachak*, 1989, **17**, 47–53.
- 1c. Bajpai, V. N. and Gokhale, K. V. G. K., *J. Geol. Soc. India*, 1986, **28**, 9–20.