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| **Author(s):** | Editors IAWA Journal |
| **Title:** | **Erratum** |
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| **Author(s):** | Pieter Baas; Petra M. Esser; Marijke E. T. van der Westen; Marinus Zandee |
| **Title:** | **Wood Anatomy of the Oleaceae** |
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| **Author(s):** | Kenneth R. Dudzik |
| **Title:** | **Macro-Microscopic Anatomy: Obtaining a Composite View of Barrier Zone Formation in Acer Saccharum** |
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| **Title:** | **Wood Anatomy News** |
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| **Author(s):** | S.V. Subrahmanyam; J.J. Shah |
| **Title:** | **The Metabolic Status of Traumatic Gum Ducts in Moringa Oleifera Lam.** |
| **Source:** | IAWA Bulletin NS, Volume 9, Issue 2 |
| **Publication Year:** | 1988 |
| **Pages:** | 187-195 |
| **Keywords:** | autolysis; labyrinthine wall; acid phosphatase; lipase; Dehydrogenase |
| **Abstract:** | Traumatic gum ducts develop lysigenously in the bark of Moringa oleifera Lam. as a result of injury. The phloem parenchyma cells at the locus of gum duct formation enlarge and are enriched with cytoplasm and nucleoplasm. These duct initials show higher succinic dehydrogenase (SDH) and acid phosphatase (ACPase) activities compared to the neighbouring cells. The duct initials undergo autolysis to form the duct lumen. The epithelial cells of a gum duct have various shapes and show intense staining for nucleic acids, proteins and insoluble polysaccharides as compared to the neighbouring cells. The epithelial cells are also rich in enzymes viz. SDH, ACPase and lipase. Epithelial cells show labyrinthine wall deposition. These deposits are more towards the duct lumen side than the radial wall side. The inner tangential wall of the epithelial cells facing the duct lumen appears swollen. The degenerating epithelial cells show diffuse reaction products of SDH and ACPase. Some epithelial cells accumulate phenolics and by autolysis of such cells their phenolic contents are released into the gum duct. |
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| **Author(s):** | Pieter Baas |
| **Title:** | **Reviews** |
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| **Author(s):** | Pieter Baas |
| **Title:** | **Legnami Tropical Importati in Italia: Anatomia e Identificatione. - Volume I. Africa. R.N. Berti and M.L. Edlmann Abbate, 320 pp., including 116 plates, 1988. Ribera Editore, Milano. Price unknown (hard cover).** |
| **Source:** | IAWA Bulletin NS, Volume 9, Issue 2 |
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| **Author(s):** | Pieter Baas |
| **Title:** | **Hormonal Control of Tree Growth. Susan V. Kossuth and Steve D. Ross (eds.), vii + 243 pp., illust., 1987. Martinus Nijhoff Publishers, Dordrecht, Boston, Lancaster. Price: Dfl. 100.00; US$ 49.50; UK£ 30.95 (hard cover).** |
| **Source:** | IAWA Bulletin NS, Volume 9, Issue 2 |
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| **Author(s):** | Pieter Baas |
| **Title:** | **Anatomical characters and identification of Papua New Guinea timber species. Syoji Sudo, 199 pp. + 131 half-tone plates, 1988. Bulletin of the Forestry ' Forest Products Research Institute No. 350. Tsukuba, Ibaraki, Japan. Price unknown.** |
| **Source:** | IAWA Bulletin NS, Volume 9, Issue 2 |
| **Publication Year:** | 1988 |
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