

- Jensen, R. G., and J. T. Bahr. 1977. Ribulose-1,5-bisphosphate carboxylase-ox-
ygenase. *Ann. Rev. Plant Physiol.* 28:379-400.
- Jordan, D. B., and W. L. Ogren. 1981. Species variation in the specificity of
ribulose bisphosphate carboxylase/oxygenase. *Nature* 291:513-515.
- Kirk, J. T. O., and R. A. E. Tilney-Bassett. 1978. *The plastids*, ed. 2. Elsevier,
Amsterdam.
- Lee, J. A., R. Harmer, and R. Ignaciuk. 1983. Nitrogen as a limiting factor in
plant communities. Pp. 95-112 in J. A. Lee, S. McNeill, and I. H. Rorison,
(eds.), Nitrogen as an ecological factor. Blackwell, Oxford.
- Longstreth, D. J., and P. S. Nobel. 1980. Nutrient influences on leaf photosyn-
thesis: effects of nitrogen, phosphorus, and potassium for *Gossypium hirsutum*
L. *Plant Physiol.* 65:541-543.
- Lorimer, G. H. (1981). The carboxylation and oxygenation of ribulose 1,5-bis-
phosphate: the primary events in photosynthesis and photorespiration. *Ann.
Rev. Plant Physiol.* 32:49-83.
- Loveless, A. R. 1961. A nutritional interpretation of sclerophyllous and mesophytic
differences in the chemical composition of sclerophyllous and mesophytic
leaves. *Ann. Bot.* 25:168-183.
- Medina, E. 1971. Effect of nitrogen supply and light intensity during growth on
the photosynthetic capacity and carboxydismutase activity of leaves of *Atriplex*
hastata ssp. *hastata*. *Carnegie Inst. Washington Yearbook* 70:551-559.
- 1981. Nitrogen content, leaf structure and photosynthesis in higher plants: a
report to the UNEP study group on photosynthesis and bioproductivity.
IVIC, Caracas, Venezuela.
- Merino, J., C. Field, and H. A. Mooney. 1984. Construction and maintenance
costs of Mediterranean-climate evergreen and deciduous leaves. II. Biochemi-
cal pathway analysis. *Oecologia Plantarum* 4:211-229.
- Molin, W. T., S. P. Meyers, G. R. Baer, and L. E. Schrader. 1982. Ploidy
effects in isogenic populations of alfalfa. II. Photosynthesis, chloroplast num-
ber, ribulose-1,5-bisphosphate carboxylase, chlorophyll, and DNA in proto-
plasts. *Plant Physiol.* 70:1710-1714.
- Mooney, H. A., J. Ehleringer, and J. A. Berry. 1976. High photosynthetic
capacity of a winter annual in Death Valley. *Science* 194:322-324.
- Mooney, H. A., P. J. Ferrar, and R. O. Slatyer. 1978. Photosynthetic capacity
and carbon allocation patterns in diverse growth forms of *Eucalyptus*.
Oecologia 36:103-111.
- Mooney, H. A., C. Field, S. L. Gulmon, and F. A. Bazzaz. 1981. Photosynthetic
capacity in relation to leaf position in desert versus old-field annuals. *Oecolo-
gia* 50:109-112.
- Mooney, H. A., C. Field, S. L. Gulmon, P. Rundel, and F. J. Kruger. 1983.
Photosynthetic characteristics of South African sclerophylls. *Oecologia*
58:398-401.
- Mooney, H. A., and S. L. Gulmon. 1979. Environmental and evolutionary
constraints on the photosynthetic characteristics of higher plants. Pp.
316-337 in O. T. Solbrig, S. Jain, G. B. Johnson, and P. H. Raven (eds.),
Topics in plant population biology. Columbia University Press, New York.
- 1982. Constraints on leaf structure and function in reference to herbivory.
use efficiency of maize, wheat and sorghum leaves. *Oecologia* 55:409-413.
- Nátr, L. 1975. Influence of mineral nutrition on photosynthesis and the use of
assimilates. Pp. 537-556 in J. P. Cooper (ed.), Photosynthesis and produc-
tivity in different environments. Cambridge University Press.
- Neales, T. F., K. J. Treharne, and P. F. Wareing. 1971. A relationship between
net photosynthesis, diffusive resistance and carboxylating enzyme activity in
bean leaves. Pp. 89-96 in M. S. Hatch, C. B. Osmond, and R. O. Slatyer
(eds.), Photosynthesis and photorespiration. New York: Wiley-Interscience,
New York.
- Nobel, P. S. 1976. Photosynthetic rates of sun versus shade leaves of *Hyptis*
emoyi Torr. *Plant Physiol.* 58:218-223.
- 1977. Internal leaf area and cellular CO₂ resistance: photosynthetic implica-
tions of variations with growth conditions and plant species. *Physiol. Planta.*
40:137-144.
- 1980. Leaf anatomy and water-use efficiency. Pp. 43-55 in N. C. Turner
and P. J. Kramer (eds.), Adaptation of plants to water and high temperature
stress. Wiley-Interscience, New York.
- Nobel, P. S., J. Zaragoza, and W. K. Smith. 1975. Relation between meso-
phyll surface area, photosynthetic rate, and illumination during development
for leaves of *Plectranthus parviflorus* Henckel. *Plant Physiol.* 55:1067-1070.
- Pearcy, R. W., and J. Ehleringer. 1984. Comparative ecophysiology of C₃ and
C₄ plants. *Plant Cell Env.* 7:1-13.
- Pearcy, R. W., K. Osteryoung, and D. Randall. 1982. Carbon dioxide exchange
characteristics of C₄ Hawaiian *Euphorbia* species native to diverse habitats.
Oecologia 55:333-341.
- Penning de Vries, F. W. T., A. H. M. Brunsting, and H. H. Van Laar. 1974.
Products, requirements and efficiency of biosynthesis: a quantitative ap-
proach. *J. Theor. Biol.* 45:339-377.
- Perchorowicz, J. T., and R. G. Jensen. 1983. Photosynthesis and activation of
ribulose bisphosphate carboxylase in wheat seedlings. *Plant Physiol.* 71:955-
960.
- Perchorowicz, J. T., D. A. Raynes, and R. G. Jensen. 1981. Light limitation of
photosynthesis and activation of ribulose bisphosphate carboxylase in wheat
seedlings. *Proc. Natl. Acad. Sci. USA* 78:2985-2989.
- Randall, D. D., C. J. Nelson, and K. H. Asay. 1977. Ribulose bisphosphate
carboxylase. Altered genetic expression in tall fescue. *Plant Physiol.* 59:38-41.
- Raven, J. A., and S. M. Glidewell. 1981. Processes limiting photosynthetic
conductance. Pp. 109-136 in C. B. Johnson (ed.), Physiological processes
limiting plant productivity. Butterworth, London.
- Ritchie, J. T. 1980. Plant stress research and crop production: the challenge
ahead. Pp. 21-29 in N. C. Turner and P. J. Kramer (eds.), Adaptation of
plants to water and high temperature stress. Wiley-Interscience, New York.
- Rundel, P. W. 1982. Nitrogen utilization efficiencies in Mediterranean-climate
shrubs of California and Chile. *Oecologia* 55:409-413.
- Schmidt, G. D., and M. L. Mishkind. 1983. Rapid degradation of unassembled
ribulose 1,5-bisphosphate carboxylase small subunits in chloroplasts. *Proc.
Natl. Acad. Sci. USA* 80:2632-2636.
- Schmitt, M. R., and G. E. Edwards. 1981. Photosynthetic capacity and nitrogen