

เอกสารอ้างอิง

1. Benemann, J.R. and N.M. Weare. 1974. Hydrogen evolution by nitrogen-fixing Anabaena cylindrica cultures. *Science* 184:174-175.
2. Benemann, J.R., K. Miyamoto and P.C. Hallenbeck. 1979.(a) Nitrogen fixation by thermophilic blue-green algae: Temperature characteristics and potential use in biophotolysis *Appl. Environ. Microbiol* 37:454-458.
3. Benemann, J.R., K. Miyamoto and P.C. Hallenbeck. 1979.(b) Hydrogen production by thermophilic alga Mastigocladus laminosus : Effects of nitrogen, temperature and inhibition of photosynthesis. *Appl. Environ. Microbiol* 38:440-441.
4. Bregoff, H.M., and M.D. Kamen. 1952. Studies on the metabolism of photosynthetic bacteria. XIV. Quantitative relations between malate dissimilation, photoproduction of hydrogen and nitrogen metabolism in Rhodospirillum rubrum. *Arch. Biochem. Biophys.* 36:202-220.

5. Clayton, R.K. and W. R. Sistorm. 1978. The Photosynthetic Bacteria. Plenum Press. New York and London.
6. Gaffron, H. and J. Rubin. 1942. Fermentative and photochemical production of hydrogen in algae. J. Gen. Physiol. 26:219-240.
7. Gest, H., and M.D. Kamen. 1949. Photoproduction of molecular hydrogen by Rhodospirillum rubrum. Science 109:558-559.
8. Hillmer, P., and H. Gest. 1977. H₂ metabolism in the photo synthetic bacterium Rhodopseudomonas capsulata : H₂ production by growing cultures. J. Bacteriol. 129:724-731.
9. Hiura, H., T. Kakuno, J. Yamashita, H. Matsubara and T. Horio. 1981. Ferredoxin excreted from photosynthetic bacterium Rhodospirillum rubrum : Purification and properties J. Biochem. 89:1878-1792.
10. Kim, J.S., K. Ito and H. Takahashi, 1980. The relationship between nitrogenase activity and hydrogen evolution in Rhodopseudomonas palustris. Agric. Biol. Chem. 44:827-833.
11. Lindstrom, E.S., S.M. Lewis and M.J. Pinsky. 1951. Nitrogen fixation and hydrogenase in various bacterial species, J. Bacteriol 61:481-487.

12. Okuda, A., M. Yamaguchi and M. Kobayashi. 1960. Nitrogen-fixing microorganisms in paddy soils IV : Nitrogen fixation in mixed culture of photosynthetic bacteria (Rhodospseudomonas capsulata) under various conditions. Soil Plant Food (Tokyo) 5:73-77).
13. Ormerod, J.G. and H.Gest. 1962. Symposium on metabolism of inorganic compounds IV. Hydrogen photosynthesis and alternative metabolic pathways in photosynthetic bacteria Bacteriol. Rev. 26:51-66.
14. Ormerod, J.G., K.S. Ormerod and H. Gest. 1961. Light dependent utilization of organic compounds and photoproduction of molecular hydrogen by photosynthetic bacteria : relationship with nitrogen metabolism, Arch. Biochem. Biophys 94:449-463.
15. Schick, H.J., 1971. Substrate and light dependent fixation of molecular hydrogen in Rhodospirillum rubrum, Arch. Mikrobiol 75:89-101.

16. Watanabe, K., J.S. Kim, K. Ito, L. Buranakarl, T. Kampee and H. Takahashi. 1980. Thermostable mature of hydrogen production by non-sulfur purple bacteria photosynthetic bacteria isolated in Thailand. *Agric. Biol. Chem.* 46:746-753.
17. Weismann, J.C., and J.R. Benemann. 1977. Hydrogen production by nitrogen-starved culture of Anabaena cylindrica *Appl. Environ. Microbiol.* 33:123-131.
18. Zurrer, H. and R. Bachofen. 1979. Hydrogen production by the photosynthetic bacterium Rhodospirillum rubrum. *Appl. Environ. Microbiol.* 37:789-793.

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