

## **BIBLIOGRAPHY**

Agashe, S.N. (1968) The pteridophyte flora of Kolhapur District - Part I Shivaji University Journal, Science Section 1 : 7-10

Agashe, S.N. (1969) On the pteridophyte flora of Kolhapur District Part - II Proc. 56th Session of Ind. Sci. Congr. Bombay. Abstract No. 121, 323.

Arnold, A (1955) Die bedentung der Chlorionen fur die Pflanze, Jena : Gustav Fischer Bot. Stud.. 4:1-2

Arnon, D. I. (1949) Copper enzymes in isolated Chloroplast<sup>5</sup>, polyphenol oxidase in Beta Vulgaris Plant Physiol., 24 : 1-15.

Ayer, W.A., B. Altenkirk, S. Valvende-Lorez, B. Douglas, R.F. Raffany, and J.A. Weissback (1968) The alkaloids of Lycopodium alopecuroides L. can. J. chem., 46 : 15-20

Bate-Smith, E.C. (1953) J. Exptl. Botany, 4:1 (1952)  
Cited from Biogenesis of natural compounds edited by Peter Bernfield Pergamon Press (1967)

Bate-Smith, E.C. (1954) Leucoanthocyanidins I Detection and identification of anthocyanidins formed from leucoanthocyanidins in plant tissues. Biochem. J., 58 : 122-125.

Bates, L.S., R.P. Waldren and I.D. Teare (1973) Rapid determination of free proline for water stress studies plant and soil, 39 : 205-209.

Beddome, R.H. (1973) The Ferns of Southern India  
Madras, Higginbotham and co.

Beevers, L. (1976) Nitrogen metabolism in plants.  
Edward, Arnold, London.

Beevers, L. and R.H. Hageman (1969) Nitrate reduction  
in higher plants. Adv. Rev. pl. physiol., 20 :  
495-522.

Blatter and d'Almeida (1922) The Ferns of Bombay. D.B.  
Tata & Sons and co. Bombay.

Bohm, B.A. and R.M. Tryon (1967) Cand. J. Bot. 45 :585.

Bohm, B.A. (1968) Phenolic compounds in Ferns III. An  
examination of some Ferns for Caffeic acid  
derivatives. Phytochem., 7 : 1825-1830.

Bohm, B.A. (1969) Phenolic compounds in Ferns III. An  
examination of some Ferns for caffeic acid  
derivatives Phytochem., 7 : 1825-1830.

Bohra D.R., S.R. Soni and B.D. Sharma (1979), Ferns of  
Rajasthan - behaviour of Chlorophyll and  
carotenoids in drought resistance Experiments 35 :  
332.

Borodin, J. (1855) Über die Wirkung des Lichtes auf  
einige höhere kryptogamenen. Bull Acad Imper. Sci.  
st. Petersbourg., 12 :432-448.

Bucke, C. and M. Hallaway (1965) The distribution of  
plastoquinone C and the seasonal variation in its  
level in young leaves of Vicia faba L. In  
Chemistry Chloroplasts Edited by Goodwin, T.W.  
Academic Press, London.

- Chatterjee A, C.P. Dutta, B. Choudhury, P.K. Dey,  
C.D. Dey, C. Chatterjee and S.R. Mukherjee  
(1963) The Chemistry and Pharmacology of  
Marsiline. A Sedative and Anticonvulsant  
principle isolated from Marsilea minuta linn. and  
M. rejaesthanensis Gupta J. Expt Med SC 7 : 3.
- Coupe, M., M.L. Champigny and A. Moyse (1967) Sur la  
Localisation intracellulaire de la nitrate  
reductase dans les feuilles et. les racines d'  
orge. Physiol. veg., 5 : 271-291.
- Czaja, A.T. (1921) Ueber Berfruchtung, Bastardierung  
Und Geschlechtertreung bei prothallian  
homosporer. Farne. Z. Bot 13 : 545 - 589
- Dring, M.J. (1965) The influence of shaded conditions  
of the fertility of Bracken Brit.fern. Gazette, 9  
: 222-227.
- Epstein, E (1965) Mineral metabolism in plant  
Biochemistry PP. 348-66 (Edited by Bonner, J. and  
Varner, J.E.) Academic press, New York.
- Evans, H.J. and A. Mason (1953) Pyridine nucleotide -  
nitrate reductase from extracts of higher plants.  
Plant physiol., 28 : 233-254.
- Fujita, Y. and Ajisaka (1941) cited from 'Carotenoids'  
by T.W. Goodwin in Modern Methods of Plant  
analysis edited by peach, K. and Tracey, M.V.  
1955.
- Gaff. D.F. (1977) Desiccation tolerant vascular plants  
of southern Africa Oecologia, 31 : 95-109.

Gena, C.B. and T.N. Bhardwaja (1984) Three new species of Isoetes L from Rajasthan India J. Bombay Nat. Hist. Soc. 81 : 165-168.

Gena, C.B., T.N. Bhardwaja and Sens (1987) Distribution and ecological studies on Rajasthan species of Isoetes Z Indian Fern J. 4 : 51-54.

Glass, A.D.M. and B.A. Bohm (1969) A further survey of ferns for cinnamic and benzoic acids. Phytochem., 8 :

Glass, A.D.M. and B.A. Bohm (1969) The accumulation of cinnamic and benzoic acid derivatives in Pteridium aquilinum and Athyrium felix-femina. Phytochem., 8 : 371-377.

Goswami, H.K. and S. Khandelwal (1976) Free aminoacids in Ophioglossum leaves at the time of spike initiation Israel J. Bot. 25 : 211-213.

Hatch, M.D. and C.R. Slack (1966) Photosynthesis by sugarcane leaves. A new carboxylation reaction and the pathway of sugar formation. Biochem. J., 101 : 103-111

Hauke R.L. (1963) A taxonomic monograph of the genus Equisetum Sub-genus Hippochate Bein Nova Hedwigia 8-1-123.

Hawk, P.B., B.L. Oser and W.H. Summerson (1948) Practical physiological chemistry, publ. the Blackiston company, U.S.A.

Hegnauer, R. (1966) Comparative phytochemistry of alkaloids. In comparative phytochemistry edited by T. Swain. Academic press, London.

Henson, A.D., C.E. Nelson and E.N. Everson (1977). Evaluation of free proline accumulation as an index of drought resistance using two contrasting barley cultivars, Crop science 17 : 720-726.

Hewitt, E.J. (1975) Assimilatory nitrate and nitrite reduction Adv. Rev. Pl. Physiol. 26 : 73-100

Imamul Hug, S.M. and F. Larher (1983). Osmoregulation in higher plants. Effect of NaCl Salinity on non nodulated Phaseolus aureus L.I. Growth and mineral content. New phytol. 93 : 203-208.

Javorovsky, E.G. (1971). Nitrate reductase assay in intact plant tissue. Biochem. Biophys. Res. Commun. 43 : 1274 - 1279.

Karmarkar, S.M. (1965). Physiological studies in succulent plants. Ph.D. thesis submitted to the University of Bombay.

Kaur, R.Y., B.L. Yadav and T.N. Bharadwaja (1986). A comparative investigation of amino acids and free proline of some Rajasthan Ferns Bionature 6(1) 42-44.

Khandelwal, S. and H.K. Goswami (1976). Amino acids differentiation in Ophioglossum L by Paper chromatography Curr. Sci. 45 : 62.

- Khare, P.K. and R. Shanker (1987) On some phytochemical investigations of Pilotum nudum L. Proc Nat Acad Sci. India 57 : (B) I 78-82.
- King, E.J. and W.M. Sperry (1968). "Biochemistry Hand Book" Ed. by Cyril Long.
- Klebs, G. (1916, 1917) Zur Entwicklungs physiologie der Farnprothallien I, II, III Sitzber. Heidelberg. Akad. Wiss. Math. Naturw. Kl. 1916 and B4 1917.
- Life, A.C. (1907). Effect of light upon the germination of spores and the gametophyte of ferns. Ann. Rep. Missouri Bot. Gard., 18 : 109-122.
- Losada, M., J.M. Ramirez, A. Paneque and F.F. Del.Campo (1965) Light and dark reduction of nitrate in a reconstituted chloroplast system. Biochem. Biophys. Acta. 109 : 85-96
- Markham, K.R., T.J. Mabry and B. Voirin (1969). 3-O-Methylquercetin 7-O-Diglucoside 4-O-glucoside from the Fern Ophioglossum vulgatum. Phytochemistry 8:469-472.
- Mazelis, M and C.R. Stumpf (1955). Fat metabolism in higher plants. VI In corporation of P into peanut mitochondrial phospholipids. Plant Physiol. 30 : 237-243.
- Nayar, B.K. (1961). Ferns of India No.ii. Drynaria and pseudodrynaria. Bull Natl. Bot. Gards, No. 56 : 1-30.
- Nayar, B.K. (1962). Ferns of India No. vi chelianthem. Bull. NaH. Bot. Gards., No. 68 :1-35

- Nayar, B.K. (1964) Ferns of India xi, Bolbitis Bull.  
Natl. Bot. Gards, No. 88 : 1-74.
- Nayar, B.K. and F. Kazmi (1964) The gametophyte of  
Acrostichum aureum L. Proceed. INd. Acad. Sci.,  
LIX : 185-194.
- Nayar, B.K. (1964) The gametophyte of Acrostichum  
aureum L. Proceed. Ind. Acad. Sci., LIX : 185-  
194.
- Nelson, N.A. (1944) Photometric adaptation of the  
Somogyi's method for the determination of glucose,  
J. Biol. Chem., 153 : 372-380.
- Panvisavas R, L.R. Warthen and B.A. Bohm (1968) The  
distribution of free aminoacids and alkaloids in  
selected species of ferns.. Lloydia, 31 : 63-69
- Parandekar, S.A. (1966) Some Ferns from Kolhapur.  
Maharashtra Vidnyan Mandir Patrika, 1 : 56-63
- Patil, N.A. (1984) Palynology of Ferns from western  
Ghats. A dissertation submitted to Shivaji  
University, Kolhapur for the degree of M. Phil.  
in Botany.
- Perrin, G. (1908) Influence des conditions exterieures  
sur le development et la sexualite des prothalles  
des polypodiacees. Cr. Acad. Sci., Paris, 147 :  
433-435
- Pigmen, W.W. and R.M. Goepf (1948) Chemistry of the  
carbohydrates, 564. Academic press, New York.
- 1948

Rainer, B. (1968) Effect of chloramphenical and cycloheximide on chloroplast development and morphogenesis in sprelings of Dryopteris Planta, 81 : 274-279

Rathore, D. and B.D. Sharma (1988) Ferns of Mount Abu (Rajasthan) Study of proline in relation of stress. Phytomorphology 38 : 259-261

Rathore D. and B.D. Sharma (1990) Pteridophytes of Rajasthan : Phytochemistry of Isoetes L. Indian Fern J. 7 : 121-122

Ritenour, G.L., K.W. Joy, J. Bunning and R.H. Hageman (1967) Intracellular Localization of nitrate reductase, nitrite reductase and glutamic acid dehydrogenase in green leaf tissue, Plant Physiol., 42 : 233-237

Schelting, A. (1875) Einige Fragen betreffend die Entwick lungsgeschichteder Farnkrautverkeime, Schr. Kais Neuruss Univ. Odessa 17 : 8

Schraudolf, H. (1962) Die wirkung von phytohormonen auf keimung Und Entwicklung Von Farnprothallien I. Auslosung der antheridien Bildung Und Dunkelkeimung bei Schizaceen durch Gibberellin-Saure. Biol. Zentralb., 18 : 731-740.

Schrader, L.E., G.L. Ritenour, G.L. Eilrich and R.H. Hageman (1968) Some characteristics of nitrate reductase from higher plants. Plant physiol., 43 : 930-940

Schulz, W. (1902) Über die Einwirkung des Lichtes auf die Keimfähigkeit der Sporen der Moose, Farne und Schachtelhalme. Beih. Bot. (b) 81.

Seybold, and Egle (1941) Cited from "Carotenoids" by T.W. Goodwin in Modern methods of plant analysis, edited by peach , K. and M.V. Tracey, 1955.

Shankar, R. and P.K. Khare (1985) Phytochemical studies of Ampelopteris prolifera (Ratz) copel and Diplazium esculentum Swartz J. Econ Tax Bot 6(2) : 499-502

Sharma, A and B.D. Sharma (1992) Phytochemistry of Rajasthan Ferns. A study of flavonoids. Indian Fern J. 9 : 83-86.

Sharma, B.D. (1989) Anatomy of rhizomorph of Isoetes from Rajasthan Pl. Sci. Res in India (Professor Bir Comm Vol.) Today and Tomorrow's printers and publisher New Delhi pp. 649-654

Sharma, B.D. (1989) Ferns and Fern allies of Rajasthan - experimental and phytochemical studies Indian Fern J. 6 : 195-203.

Sharma, B.D. and Purohit, S.N. (1985) Ferns and fern allies of Rajasthan leaf water deficit in relation to resurrection habit Indian Fern J. 2 : 57-61

Sharma, B.D. and R. Singh, (1984) Ligule in Isoetes Amer Fern J. 74 : 22-28

Shetty, G.P. (1971) Physiology of growth and salt tolerance of plants Ph.D. Thesis submitted to Shivaji university, Kolhapur (India).

Singh, R., D.R. Bohra, and B.D. Sharma (1983) Mixed sporangia in Isoetes coromandelina L. Pollen et spores 25 : 41-47

Singh, S. (1967) Physiological studies in plants of saline environment. Ph.D. Thesis submitted to Bombay University.

Strain, H. Herold (1966) Fat soluble chloroplast pigments. Their identification and distribution in various Australian plants. In Biochemistry of Chloroplast Vol. I. Edited by Goodwin, Academic press, 386-406.

Stuart, T.S. (1960) Revival of respiration and photosynthesis in dried leaves of Polypodium Polypodioides Planta. 83(2) : 185-206.

Toth, S.J., A.L. Prince, A. Wallace and D.S. Mikkelsen (1948) Rapid qualitative determination of eight mineral element in plant tissues by systematic procedure involving use of a flame photometer. Soil. Sci. 66 : 459-466.

Upadhye, A.B. (1969) Part-I Pteridophyte flora of Ratnagiri District (Part-I)

Part - II Morphological and anatomical studies in Schizoloma heterophylla J. smith.



- Voirn, B. (1970) Recherches chimiques taxinomiques et physiologique sur les flavonoïdes des pteridophytes. These Docteur science L. Universite de Lyon.
- Vyas, M.S. and B.D. Sharma (1988) Phytochemistry of Rajasthan pteridophytes Indian fern J. 5 : 143-149
- Vyas M.S., D. Rathore and B.D. Sharma (1989) Phytochemistry of Rajasthan pteridophytes. Study of phenols in relation to stress Indian Fern J. 6 :244-246
- Wallace, J.W., M.Champman, J.E. Sullivan and T.N. Bhardwaja (1984) Polyphenolics of the Marsileaceae and their possible phylogenetic Utility Amer. J. Bot. 71 : 660-665
- Weinberg, E.S. and B.R. Voeller (1969) External factors inducing germination of fern spores. Am. Fern. J., 59 : 153-168
- Whistler, R.L. and C.L. Smart (1953) Polysaccharide Chemistry (Academic Press Inc. New York).
- White, T. (1956) The scope of vegetable tannin chemistry, a symposium on chemistry of vegetable tannins, cryoden soc. Leather Traders Chemists, Idem, Chemistry and technology of leather, Vol II., Reinhold publishing corp. New York, P. 98