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Someshwarnagar, Tel. Baramati, Dist: Pune (Pin : 412 306) Maharashtra, India
(Affiliated to Savitribai Phule Pune University, Pune) Estd : 2007

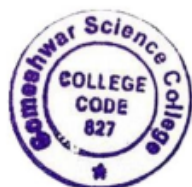
Govt. Rag. No. N.G.C. 2007(189/07) Mashi-3, Dt. 2 July 2007 College Code 827 University Appvl. No. IDNo. PU/PN/S/284/2007

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five year

Name of the teacher	Title of the book/chapters published	ISBN number of the proceeding	Calendar Year of publication
Asst. Prof. Pingale S. G.	सरंजामी मरहट्टे	978-81-942977-0-3	9 Dec. 2019
Asst. Prof. Pournima Kare	NITROGEN METABOLISM IN TINOSPORA CORDIOFOLIA MIERS	2395-1419	Feb-18

Link to article / paper / abstract of the article

<https://ahilyabaiholkar.in/shop/product/saranjami-marhatte-book/>




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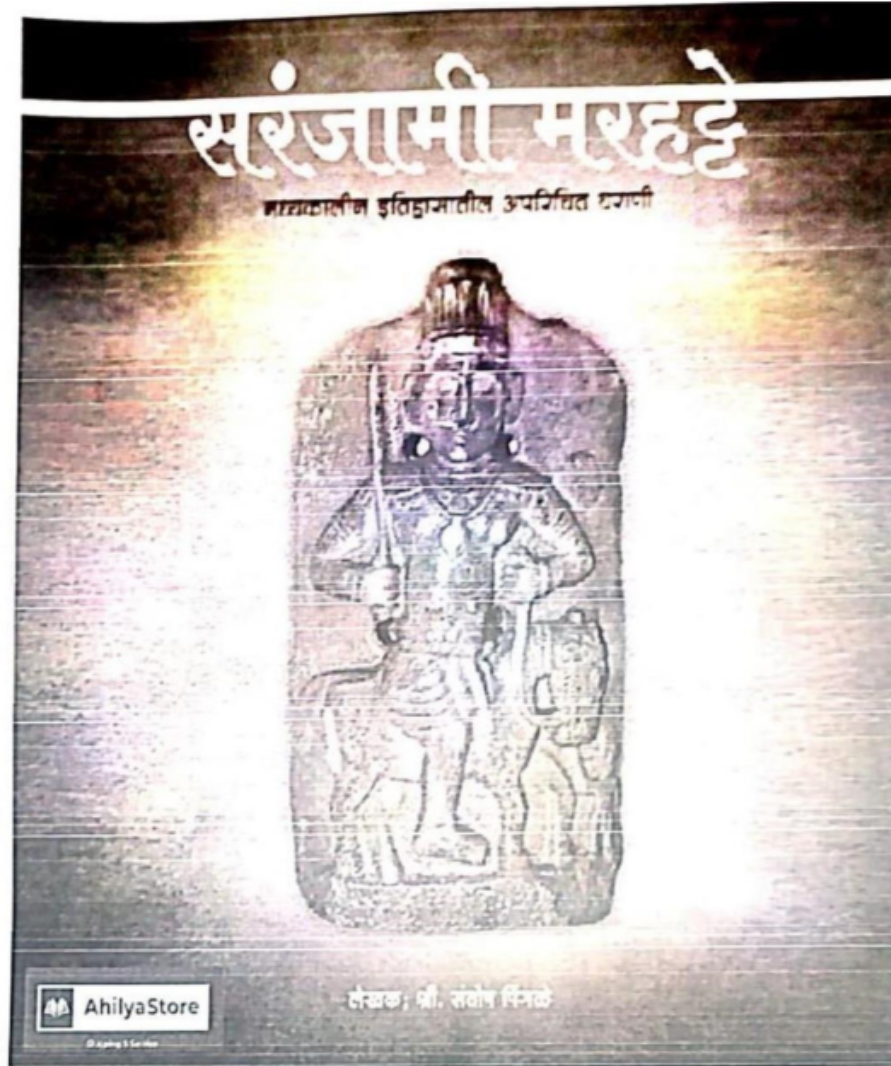
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Books and articles published




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**NITROGEN METABOLISM IN *TINOSPORA CORDIOFOLIA*
(THUNB) MIERS.****Pournima Kare, Madhuri Patil, Chandrashekhar Murumkar**

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Abstract:

At present demand for medicinal plants is increasing in both developing and developed countries. Research on medicinal plants is one of the leading areas of research globally. Uses of medicinal plants in the industrialized societies have been traced from the extraction and development of several drugs and chemotherapeutic drugs from this plant as well as from traditionally used a herbal remedies. Among the vast library of important medicinal plants, *Tinospora cordifolia* (Thunb) Miers is immensely valuable in terms of chemical constituents and pharmacology. Our experiments conducted on leaves of *Tinospora* to evaluate its nitrogen metabolism by studying nitrogen, total free amino acids, proteins and enzymes of nitrogen metabolism namely nitrate and nitrite reductase. It is observed that nitrogen content is 39.2 mg/gm of dry matter and total proteins are 78 mg/gm of dry matter. Whereas amino acids are 22 mg/gm fresh tissue. Nitrate reductase activity is more than nitrite reductase. *Tinospora cordifolia* (Thunb) Miers is enriched by a secondary metabolite rich in Nitrogen and the efficient N metabolism a high NR, NiR activity may be responsible for directing N to secondary metabolites production.

Keywords : *Tinospora cordifolia*, Medicinal plant , Nitrogen metabolism.

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