

FURTHER CONTRIBUTION TO BIBLIOGRAPHY OF GRASSES

S. K. JAIN,* DOLI DAS AND D. K. BANERJEE

Botanical Survey of India, Calcutta

ABSTRACT

The present work is a supplement to the bibliography of grasses published by Jain in 1961, and covers the period 1961-1970.

The family Poaceae is one of the largest, and the most widely distributed family of the world; it includes the prime cereals and fodders of today, and is economically very important. Vast literature is, therefore, published on various aspects of the family.

The present bibliography has over 700 references, and includes publications on taxonomy, external morphology, nomenclature, ecology, phytogeography, utilisation and phylogeny. Some more important papers on biosystematics, such as cytotaxonomy, embryology, anatomy and palynology, and a few on agronomy and diseases of grasses are also included.

The references are arranged alphabetically by author names; in case of joint authors, cross references are provided. A subject- and region-wise analysis is discussed.

INTRODUCTION

It is not often that one comes across a publication devoted wholly to a bibliography on some particular subject. Though very useful to students and research workers, bibliographies on Indian botany are rather rare. In 1909, Blatter published the first bibliography to the Botany of British India and Ceylon (*J. Bombay nat. Hist. Soc.* 20: lxxix-clxxvi). In 1952, Santapau, in the same journal, published a supplement to Blatter's work—Contributions to the Bibliography of Indian Botany (*Ibid.* 50: 520-548; 51: 205-259). In 1958, Santapau published yet another bibliography, chiefly on systematic botany, in *History of Botanical Researches in India, Burma and Ceylon*, Pt. II.

In 1961, through the good offices of the National Library, Calcutta, Narayanswami published '*A Bibliography of Indology*'.

The family Poaceae (Gramineae) is one of the largest and the most widely distributed families of the world. There are about 1200 known species of grasses in India, and certainly many more remain to be discovered.

The grasses are often considered difficult to identify and therefore avoided during floristic studies. However, some genera of grasses, such as *Triticum*, *Oryza*, *Panicum* and *Setaria*, provide cereals and are economically very important; they receive adequate attention at the hands of agricultural scientists, particularly breeders.

In India, after the publication of Hooker's *Flora of British India* (1896) significant advance was made when regional floras and accounts of grasses were prepared by Haines (in *The Botany of Bihar and Orissa*, 1924), Fischer (in *Flora of the Presidency of Madras*, 1934), Blatter and McCann (*Bombay Grasses*, 1935), Bor (*Common Grasses of United Provinces*, 1940), Bor (in *The Flora of Assam* 5, 1945), Stewart (*Grasses of North-west India*, 1945), and by Raizada, Bharadwaja and Jain (*Grasses of Upper Gangetic Plains*, 1961, 1964).

Raizada, Bharadwaja and Jain (l.c.) gave a bibliography of about 700 references. During the course of those studies, however, a large number of other references on grasses of India as a whole were noted, which did not find a place in the bibliography of *Grasses of Upper Gangetic Plains*. Such refer-

Present address: *Botanical Survey of India, Shillong

ences were compiled and published by Jain in a separate paper—'A Contribution to the Bibliography of Gramineae' (*Proc. nat. Acad. Sci. India* 31 B: 361-382. 1961). This almost coincided with a landmark in agrostological studies in India, namely, the publication of the book of Dr. N. L. Bor in 1960. Bor's book is the first consolidated account of the grasses of Indian subcontinent as a whole and published in twentieth century; the book deals with about 250 genera and 1200 species from India and gives a bibliography of about 600 references.

During our studies on grasses in the years 1961-1970, the work of indexing all references available to us was continued. The tremendous demand for reprints of the 1961 bibliography from different parts of the world prompted us to put forth the present publication.

SCOPE

In general, the bibliography covers the period 1961-1970, and includes about 1000 entries (including over 700 original works, and about 300 cross references for joint authors). Those pre-1961 papers which are useful but were omitted in the 1961 bibliography are included.

Like the 1961 bibliography, the present work covers the following aspects:

- i. Papers on taxonomy, external morphology, ecology, phyto-geography and utilisation.
- ii. Papers on cytology, anatomy, embryology, morphology and palynology, having discussion or bearing on taxonomy and phylogeny.
- iii. Foreign works on those genera which are represented by some species in India; such works are very useful during revision work, particularly for drawing up keys, for locating types and for solving nomenclatural problems.
- iv. Floristic accounts or enumerations, if they include grasses.

- v. Such papers on agronomy which give useful information on cultivation, varietal differences and occurrence.
- vi. Papers on pests and pathogens, if they are of commercial significance.
- vii. Important papers on grasslands and fodders.
- viii. Such foreign publications which, though not dealing with Indian taxa, yet, give ideas for new fields or methods of researches on grasses, for example the works of Kemp (1960), Leigh and Matthews (1963), Milford (1960) and Tothill and Love (1966).

The following kinds of references have been excluded:

- i. Papers included in 1961 bibliography.
- ii. Papers on agronomy.
- iii. Papers on mycology, entomology and chemical constituents, unless they are of commercial significance.
- iv. Papers on embryology, anatomy and morphology, unless they deal with taxonomic and phylogenetic aspects.

ARRANGEMENT OF REFERENCES

The references are arranged alphabetically by authors' names. Several works of same author are arranged chronologically. Where an author has more than one publication in same year, the references are listed alphabetically by name of journal.

In case of joint authors, the full reference is listed where the name of the senior author warrants it, but cross references are given for all junior authors. In this respect, the present bibliography is an improvement over the 1961 work. The cross reference entries of junior authors are given at their respective alphabetical position. If they also have their own single author publications, the entries of cross references are listed at the end.

For example, the full reference of two papers by T. Raja Gopal and G. Panigrahi is given under Raja Gopal, T. and G. Panigrahi; but cross reference for Panigrahi

is given at the end of Panigrahi's single author papers, thus:

Panigrahi, G. See Raja Gopal, T. and G. Panigrahi. 1966, 1967.

Then, the references with Panigrahi as senior author follow.

Many of these references have been personally consulted by us during our work, and have been verified with original publications in the libraries of Botanical Survey of India, Bengal Immunity Research Institute and National Library at Calcutta, Forest Research Institute at Dehra Dun, Publication and Information Directorate of Council of Scientific and Industrial Research at New Delhi, Indian Agricultural Research Institute at New Delhi and National Botanic Gardens at Lucknow.

In other cases, effort has been made to check the references from reliable catalogues or bibliographies.

Some authors send their papers, sometimes very useful ones, in less-known journals which ordinarily do not have much circulation, or in such foreign journals which have a remote chance of landing on Indian soil. Their reference in some bibliography or casual presence of a reprint in some library is the only source of laying hands on them. If some such papers have been omitted, it, perhaps could not be helped. Even otherwise, some shortcomings might be revealed during practical use of the bibliography; the authors will be grateful to readers for any useful suggestions. With these shortcomings also, we hope the present bibliography will be helpful to all workers interested in botany and applied aspects of grasses.

BIBLIOGRAPHY

- AGARWAL, S. C. Grasses and their ecology. *Allahabad Fmr.* 33 : 375-381. 1959.
- Grassland communities of moist tropical forests. *Indian For.* 87 : 119-123. 1961.
- Grassland communities of dry tropical forests. *Indian For.* 87 : 309-315. 1961.
- AGGARWAL, K. R. See RAO, T. A. AND K. R. AGGARWAL. 1964.
- See RAO, T. A., K. R. AGGARWAL AND A. K. MUKHERJEE. 1963a, b.
- AHLUWALIA, K. S. Contribution to the flora of Mount Abu. *Indian For.* 91 : 824-828. 1965.
- AHLUWALIA, M. See PAL, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BAHL, R. N. SWANEY AND D. S. ARORA. 1963.
- AHUJA, L. D. See PRAKASH, M. & L. D. AHUJA. 1964.
- AND C. P. BHIMAYA. Germination studies of perennial grass seeds. *Ann. Arid Zone* 6 : 146-152. 1967.
- ALMEIDA, M. R. Three new grasses from the former Bombay Presidency. *J. Bombay nat. Hist. Soc.* 66 : 510-517. 1969.
- ANDERSON, E. California farmer finds grass crops beat wheat. *Soil Conserv.* 29 : 21. 1963.
- See MEHRA, K. L. AND E. ANDERSON. 1959.
- ANDIAPPAN, K. AND J. WILSON. Bamboos in the Madras State. *Indian For.* 89 : 259-264. 1963.
- ANNAMALAI, P., J. CHANDRA-MOHAN AND V. SRINIVASAN. An abnormal stem of *Oryza sativa* L. *Madras agric. J.* 49 : 314. 1962.
- ANONYMOUS The natural classification of the Gramineae. *Intern. Union. biol. Sci. Symposium, Proc. IX intern. bot. Cong.* 1 : 67. 1959.
- Waste turned into Wealth. Compost from paddy husk. *Indian For.* 85 : 356. 1959.
- Improvement of grassland by selection of grasses and manuring. *Indian For.* 88 : 369. 1962.
- Rice. *Indian Fmg. (Special Number)* 16 : 6-153. 1966.
- APPALANAIIDU, B. AND G. MADHUSUDHANA RAO. Preliminary trials on a new promising south-east Asian variety of rice. *Andhra agric. J.* 45 : 73. 1961.
- APPATHURAI, R. See SANKARAN, S. AND R. APPATHURAI. 1962.
- ARORA, C. M. Botany of Bailadilla, Bastar State, M.P. *Bull. bot. Surv. India* 10 : 61-66. 1968.
- ARORA, D. S. See PAL, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BAHL, R. N. SWANEY AND D. S. ARORA. 1963.
- ARORA, R. K. The botany of Coorg forests. II. *Proc. nat. Acad. Sci.* 34 : 100-112. 1964.
- Ecological notes on the vegetation of Coorg district, Western Ghat. *Indian For.* 91 : 722-742. 1965.
- ATHWAL, D. S. AND K. O. RACHIE. Potentialities and future breeding procedures for the improvement of Bajra. *Indian J. Genet.* 23 : 155-157. 1963.
- AUQUIER, P. Les concept de Dumortier dans le genre *Festuca* L. (Poaceae). *Bull. Jard. Bot. Nat. Belg.* 40 : 393-404. 1970.
- Typification et taxonomie de *Festuca tenuifolia* Sibth. *Lejeunia* N. S. 53 : 1-7. 1970.
- AND Y. SOMERS. Recherches histotaxonomiques sur le chaume des Poaceae. *Bull. Soc. roy. Bot. Belg.* 100 : 95. 1967.
- BACKER, C. A. *Arundinella*: in Beknopte Flora Van Java. 19 : 51-52. 1960.
- BADENHUIZEN, N. P. AND E. W. LAWSON. Lethal synthesis in *Cynodon dactylon* growing in Southern Africa. *Amer. J. Bot.* 49 : 158. 1962.
- BADHWAR, R. L., R. M. BERI, G. V. KARIRA AND H. SETHI. Ceylon Citronella grass : its Cultivation and Exploitation. *Indian For.* 88 : 431-435. 1962.
- BAGGA, R. K. See RELWANI, L. L. AND R. K. BAGGA. 1968.
- BAHL, P. N. See Pal, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BAHL, R. N. SWANEY AND D. S. ARORA. 1963.
- BAI SUKANYA, M. V., S. PALANISWAMY AND K. SWAMINATHAN. Proliferation and neck leaves in Rice. *Madras agric. J.* 48 : 445-446. 1961.

- BAKSHI, J. S. See PAL, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BAHL, R. N. SWANEY AND D. S. ARORA. 1963.
- See RACHIE, K. O., J. S. BAKSHI AND AMARJIT SINGH. 1965.
- BALAKRISHNA RAO, M. J. See Richharia, R. H. AND M. J. BALAKRISHNA RAO. 1962.
- BALAKRISHNAN, N. P. New plant records from South India. *Bull. bot. Surv. India*. 6 : 81-92. 1964.
- See SEBASTINE, K. M. AND N. P. BALAKRISHNAN. 1963.
- BALAPURE, K. M. AND J. G. SRIVASTAVA. *The vegetation of the Lucknow district (U. P.)*, Lucknow. 1964.
- BALASUBRAMANIAM, G. AND M. NAGARAJAN. Forked panicles in some grasses. *Madras agric. J.* 47 : 327-328. 1960.
- BALASUBRAMANIAN, K. M. See SWAMINATHAN, R., V. SRINIVASAN AND K. M. BALASUBRAMANIAN. 1963.
- BANERJEE, D. K. The grasses of Burdwan district, West Bengal. *Bull. bot. Surv. India*. 10 : 246-250. 1968.
- See JAIN, S. K. AND D. K. BANERJEE. 1967.
- See PAL, D. C. AND D. K. BANERJEE. 1970.
- BANERJEE, L. K. See RAO, T. A., L. K. BANERJEE AND A. K. MUKHERJEE. 1970.
- See RAO, T. A., A. K. MUKHERJEE AND L. K. BANERJEE. 1967.
- BARNARD, C. *Grasses & Grasslands*. London. 1964.
- BARNES, A. C. *The sugar-cane*. New York. 1964.
- BEDI, S. J. S. *Floristic study of Ratanmahal and surrounding hills*. Thesis, M. S. Univ., Baroda. 1968.
- See THACKER, D. N., S. D. SABNIS AND S. J. S. BEDI. 1968.
- BEEBLE, A. A. Distribution as a key to the age and origin of grasses. *Univ. Wyoming Publ.* 24 : 1-8. 1960.
- BERI, R. M. See BADHWAR, R. L., R. M. BERI, G. V. KARIRA AND H. SETHI. 1962.
- See KARIRA, G. V. AND R. M. BERI. 1966.
- BHADURI, P. N. See GHOSH, M. AND P. N. BHADURI. 1966.
- BHARADWAJ, R. C. See RAIZADA, M. B., R. C. BHARADWAJ AND S. K. JAIN. 1961.
- BHARGAVA, P. D. See GANDHI, S. M., P. D. BHARGAVA AND M. P. BHATNAGAR. 1961.
- See GANDHI, S. M., T. UMA MENON, P. D. BHARGAVA AND M. P. BHATNAGAR. 1961.
- BHARTARI, B. K. See SEKHAR, A. C., B. S. RAWAT AND B. K. BHARTARI. 1962.
- AND A. C. SEKHAR. A note on the strength of Dry Bamboo (*Dendrocalamus strictus*) from Madhya Pradesh. *Indian For.* 87 : 611. 1961.
- BHARUCHA, F. R. See SHANKAR, J. V. AND F. R. BHARUCHA. 1962.
- BHAT, A. S. Economics of industrial plantation of *Bambusa arundinacea* by underplanting. *Indian For.* 96 : 366-371. 1970.
- BHAT, R. V., S. R. D. GUHA, M. G. KARNIK AND C. N. S. JASPAL. Chemical pulps and writing and printing papers from Sabai grass (*Eulaliopsis binata* Retz.) *Indian For.* 86 : 423-431. 1960.
- BHATI, G. N. See CHAKRAVARTY, A. K. AND G. N. BHATI. 1968.
- BHATIYA, R. *Technological study of some weed flora at Gwalior suburbs*. Thesis. Vikram Univ., Ujjain. 1966.
- BHATNAGAR, M. P. See GANDHI, S. M., P. D. BHARGAVA AND M. P. BHATNAGAR. 1961.
- See GANDHI, S. M., T. UMA MENON, P. D. BHARGAVA AND M. P. BHATNAGAR. 1961.
- BHATTACHARYA, R. K. Rice in saline lands of 24-Parganas (West Bengal). *Indian Agric.* 6 : 74-82. 1962.
- BHATTACHARYA, U. C. Contribution to the flora of Mirzapur. 2. *Bull. bot. Surv. India* 6 : 191-210. 1964.
- BHATTEE, S. S. AND C. J. THAMPI. Important grasses of the Andaman Islands. *Indian For.* 89 : 223-230. 1963.
- BHIMAYA, C. P. Trees or Grasslands in Rajasthan (Letter). *Indian For.* 86 : 781. 1960.
- See AHUJA, L. D. AND C. P. BHIMAYA. 1967.
- See Das, R. B. AND C. P. BHIMAYA. 1964.
- , A. CHERIAN AND Y. SATYANARAYAN. Preliminary studies on the vegetation of Kailanā, Rajasthan. *Indian For.* 90 : 667-675. 1964.
- BILLORE, K. V. See HEMADRI, K. AND K. V. BILLORE. 1970.
- Black, G. A. Grasses of the genus *Axonopus*. *Adv. Front. Pl. Sci.* 5 : 1-186. 1963.
- BOHRA, B. K. See JAIN, M. B. AND B. K. BOHRA. 1966.
- , M. B. JAIN AND A. K. CHAKRAVARTY. Estimation procedure for an assessment of forage production in a pasture of *Cenchrus ciliaris* L. *Indian J. agric. Sci.* 39 : 207-213. 1969.
- BOR, N. L. A new grass from Bombay. *J. Bombay nat. Hist. Soc.* 58 : 317. 1961.
- Notes on Asiatic grasses. *Ischaemum barbatum* Retz. *Kew Bull.* 15 : 411-414. 1962.
- New species in the Gramineae. *Bull. bot. Surv. India* 7 : 132-133. 1965.
- Flora of Iraq*. Vol. 9. Gramineae. Baghdad. 1968.
- BOR, N. L. AND C. E. HUBBARD. Notes on Asiatic grasses: 31. A new genus of grasses. (*Pseudodanthonia*). *Kew Bull.* 1958 : 425-427. 1958.
- AND A. MELDERIS. Gramineae in *Symbolae Afghanicae*. 6. *Biolog. skrift.* 14 : 36-94. 1965.
- BORRILL, M. Developmental anatomy of leaves in *Lolium temulentum*. *Ann. Bot.* 23 : 1. 1961.
- BOWDEN, B. N. Studies on *Andropogon gayanus* Kunth 1. Use of *Andropogon gayanus* in agriculture. *Emp. J. exp. Agric.* 31 : 267. 1963.
- BOWDEN, W. M. An experimental taxonomist examines the classification of grasses. *Rev. Canad. Biol.* 19 : 279-292. 1960.
- Chromosome number and taxonomic notes on northern grasses. 4. Tribe Festuceae: *Poa* & *Puccinellia*. *Canad. J. Bot.* 39 : 123. 1961.
- BRIGGLE, L. W. AND L. P. REITZ. Classification of *Triticum* species and of wheat varieties grown in the United States. *U. S. Dept. Agric. Tech. Bull.* 1278. 1963.
- BROWN, W. V. Leaf anatomy in Grass systematics. *Bot. Gaz.* 119 : 170-178. 1958.
- A cytological difference between the Eupanicoidae and the Chloridoideae (Gramineae). *S. W. Natur.* 5 : 7-11. 1960.
- The morphology of the Grass embryo. *Phytomorphology* 10 : 215-223. 1960.
- Grass leaf anatomy: its use in systematics. *Recent Adv. Bot. Sect. 2 : Nat. Classif. Gram.* 105-108. 1961.
- See FRETHER, L. E. AND W. V. BROWN. 1955.
- AND W. H. P. EMERY. Apomixis in the Gramineae, Tribe Andropogoneae: *Themeda triandra* and *Bothriochloa ischaemum*. *Bot. Gaz.* 118 : 246-253. 1957.
- AND —Apomixis in the Gramineae: Panicoideae. *Amer. J. Bot.* 45 : 253-263. 1958.
- , W. F. HARRIS AND J. D. GRAHAM. Grass morphology and systematics 1. The internode. *S. W. Natur.* 4 : 115-125. 1959.
- AND C. JOHNSON. The fine structure of the grass guard cell. *Amer. J. Bot.* 49 : 110-113. 1962.

- BROWN, W. V. AND G. A. PRATT. Hybridization and introgression in the grass genus *Elymus*. *Amer. J. Bot.* 47 : 669-676. 1960.
- , —, AND H. M. MOBLEY. Grass morphology and systematics. II. The nodal pulvinus. *S. W. Natur.* 4 : 126-130. 1959.
- BULLOCK, A. A. *Sorghum vulgare* (Gramineae). *Kew Bull.* 15 : 390. 1962.
- CARNAHAN, H. L. AND H. D. HILL. Cytology and genetics of forage grasses. *Bot. Rev.* 27 : 1-162. 1961.
- CARO, J. A. Las especies de *Aristida* (Gramineae) del centro de la Republica Argentina. *Kuntziana* 1 : 123-206. 1961.
- CELARIER, R. P. See MEHRA, K. L. AND R. P. CELARIER. 1958.
- See —, —, AND J. R. HARLAN. 1960.
- CHACKO, V. J. Survey of bamboos, canes and reeds. *Indian For.* 89 : 275-279. 1963.
- , A. S. RAWAT, P. C. DAVE AND S. SINGH. Bamboo pilot survey in Bori, Hoshangabad forest division, M. P. *Indian For.* 91 : 481-497. 1965.
- CHADHA, S. L. Better Sugarcane through co-operative farming. *Sugarcane Herald* 5 : 5-6, 12. 1963.
- CHAGANTI RAJU, S. K. *Cytogenetic studies of Maize-Tripsacum hybrid and their derivatives*. Bussey Inst. Harvard, Mass. 1965.
- CHAKRAVARTY, A. K. Weed flora of Paddy fields of West Bengal. *Indian Agric.* 1 : 19-26. 1957.
- Preliminary study on some naturally occurring grasses and legumes of Haringhata farm to determine their potentiality as sources of fodder. *Indian Agric.* 5 : 173-183. 1961.
- Possibilities of introduction of sweet Sudan grasses in live-stock farms. *Indian Agric.* 8 : 71-73. 1964.
- Selection of grasses & legumes for arid zone pastures. *Proc. Symp. Indian Arid Zone* 382-393. 1964.
- Some promising grasses for introduction in the dairy farms. *Indian Dairym.* 17 : 305-307. 1965.
- Perennial and palatable 'anjan' is cut out for arid zone. *Indian Fmg.* 16 : 24-26. 1966.
- See BOHRA, B. K., M. B. JAIN AND A. K. CHAKRAVARTY. 1969.
- See DABADGHAO, P. M., A. K. CHAKRAVARTY, R. B. DAS, R. DEB ROY AND S. P. MARWAHA. 1965.
- AND G. N. BHATI. Selection of Grasses and Legumes of Pastures of the Arid and semi-arid zones. I. Variations of morphological and physiological characters in the different strains of *Cenchrus setigerus* and selection of a promising strain for forage production. *Indian For.* 94 : 667. 1968.
- AND R. B. DAS. Polymorphism in *Cenchrus ciliatus* L. *Ann. Arid Zone* 4 : 10-16. 1965.
- AND N. L. KACKAR. Effect of spacing and cutting on root development of some promising desert grasses and legumes. *J. Indian bot. Soc.* 46 : 264-269. 1967.
- AND C. M. VERMA. Anatomical study in arid zone grasses of Western Rajasthan. *J. Indian bot. Soc.* 44 : 506-511. 1965.
- CHAKRAVARTY, S. C. Weed control in India—a review. *Indian Agric.* 7 : 23-58. 1963.
- CHANDRA, N. Morphological studies in the Gramineae. I. Vascular anatomy of the spikelet in the Pooideae. *Proc. nat. Inst. Sci. India* 28B : 545-562. 1962.
- Morphological studies in the Gramineae. *Proc. Indian Acad. Sci.* 56 : 217-231. 1962.
- Morphological studies in the Gramineae. III. On the nature of the gynoeceum. *J. Indian bot. Soc.* 42 : 252-259. 1963.
- Morphological studies in the Gramineae. IV. Embryology of *Eleusine indica* Gaertn. and *Dactyloctenium aegyptium* (Desf.) Beauv. *Proc. Indian Acad. Sci.* 58B : 117-127. 1963.
- CHANDRA-MOHAN, J. See ANNAMALAI, P., J. CHANDRA-MOHAN AND V. SRINIVASAN. 1962.
- AND B. W. X. PONNAIYA. Breeding methodology in rice (*Oryza sativa* L.). *Madras agric. J.* 50 : 217-226. 1963.
- CHANDRASEKHARAN, C. Ecological study of the forests of Kerala State. *Indian For.* 88 : 473-479. 1962.
- CHANDRASEKHARAN, P. See KRISHNASWAMY, N. AND P. CHANDRASEKHARAN. 1958.
- CHANDRASEKHARAN, V. See VAJRAVELU, E., J. JOSEPH AND V. CHANDRASEKHARAN. 1968.
- CHANG, T. T. Present knowledge of Rice genetics and cytogenetics. *Tech. Bull.* (i) I.R.R.I. 1964.
- CHARLES RATNASWAMY, M. Anatomical studies in the Italian millet (*Setaria italica* Beauv.) in relation to termite resistance. *Madras agric. J.* 48 : 341-344. 1961.
- CHASE, A. AND C. D. NILES. *Index to Grass Species*. Vol. 3. Hall & Co. Boston. 1962.
- CHATTERJEE, B. N. See SINGH, R. D. AND B. N. CHATTERJEE. 1968.
- AND ASOK KUMAR. Inter-strain variations in *Pennisetum pedicellatum*. *Indian For.* 90 : 477-483. 1964.
- AND R. D. SINGH. Extension of the period of utilisation of the perennial grasses. *Indian For.* 92 : 591-595. 1966.
- CHATTERJEE, D. Three new records of plants from West Bengal. *Sci. & Cult.* 26 : 231-232. 1960.
- Bamboo fruits. *J. Bombay nat. Hist. Soc.* 57 : 451-453. 1960.
- CHATTERJI, R. N. See KEDARNATH, S. AND R. N. CHATTERJEE. 1966.
- See RAIZADA, M. B. AND R. N. CHATTERJEE. 1962 & 1963.
- AND M. B. RAIZADA. Culm-sheaths as aid to identification of Bamboos. *Indian For.* 89 : 744-756. 1963.
- CHATUR BEHARI. Sugarcane varieties for 'Gur' manufacture. *Sugarcane Herald* 5 : 5-7. 1963.
- CHAUDHURI, A. B. Principal grasses and grassland habitats of Jalpaiguri division, West Bengal. *Indian For.* 86 : 87-91. 1960.
- Common grasses and sedges of Kurseong, Kalimpong and Darjeeling forest divisions, West Bengal. *Indian For.* 86 : 336-353. 1960.
- Grasses and grassland types of West Bengal and some aspects of their Ecology. *Bull. bot. Soc. Beng.* 19 : 94-108. 1965.
- Scope for study of food habits of wild life in India. *Indian For.* 92 : 562-565. 1966.
- CHAUDHURI, H. K. AND D. GUPTA. Forking of panicles in Bajra (*Pennisetum typhoides* Stapf & Hubb.) *Sci. & Cult.* 29 : 304-305. 1963.
- CHAUHAN, G. S. See KUSHWAH, J. S. AND G. S. CHAUHAN. 1966.
- CHAUHAN, J. G., G. L. SHAH AND R. J. PATEL. Further contribution to the flora of Mount Abu in Rajasthan. *Indian For.* 93 : 769-770. 1967.
- CHAVAN, A. R. AND A. R. MEHTA. Grasses of Pavagarh. *J. Indian bot. Soc.* 38 : 171-185. 1959.
- Record of *Heteropogon melanocarpus* Benth. from Gujarat. *Sci. & Cult.* 25 : 441-442. 1960.

- CHAVAN, A. R. AND S. D. SABNIS. Along the banks of the river Vishwamitri. *Indian For.* 86 : 469-474. 1960.
- CHEN, C. C. See Li, H. W., C. C. CHEN, T. S. WENG AND K. D. WUN. 1963.
- CHENNAVEERAI, M. S. Some aspects of the cytotaxonomy of *Aegilops*. *Proc. Summer Sch. Bot. Darjeeling*. 1960 : 43-50. 1960.
- CHERIAN, A. See BHIMAYA, G. P., A. CHERIAN AND Y. SATYANARAYAN. 1964.
- See SANKARNARAYAN, K. A., A. CHERIAN AND Y. D. GAUR. 1965.
- CHINNAMANI, S. Grasslands on Bellary black cotton soils. *Indian For.* 94 : 225-229. 1968.
- See Gupte, S. C., S. CHINNAMANI AND N. D. REGE. 1967.
- CHOUDHURY, J. K. Indian species of the genus *Hierochloa* Gmel. ex R. Br. *Curr. Sci.* 33 : 252. 1964.
- CHOWDHURY, S. See Panigrahi, G., S. CHOWDHURY AND D. C. S. RAJU. 1964.
- CHRISTINE, S. See Hartley, W. AND S. CHRISTINE. 1960.
- CHRTEK, J. See JIRASEK, V. AND J. CHRTEK. 1962.
- CHRTEK, J. AND V. JIRASEK. Contribution to the systematics of species of the *Poa* L. genus, Section *Ochlopoa* (A. et Gr.) V. Jiras. *Preslia* 34 : 40-68. 1962.
- AND —On the taxonomy of the genus *Trisetum* Pers. *Webbia* 17 : 210-224. 1963.
- CLAYTON, W. D. Nomina conservanda proposita *Sorghum* Moench (1794). *Taxon* 10 : 242-243. 1961.
- Studies in Gramineae. 2. *Kew Bull.* 16 : 247-250. 1962.
- Studies in Gramineae. 4. *Kew Bull.* 16 : 471-475. 1963.
- Studies in Gramineae. 5. *Kew Bull.* 17 : 465-470. 1964.
- Studies in Gramineae. 6. *Kew Bull.* 19 : 287-296. 1965.
- Studies in Gramineae. 7. *Kew Bull.* 19 : 451-456. 1965.
- Studies in Gramineae. 9. *Kew Bull.* 20 : 257-273. 1966.
- Studies in Gramineae. 10. *Kew Bull.* 20 : 275-285. 1966.
- Studies in Gramineae. 13. *Kew Bull.* 20 : 449. 1966.
- Studies in Gramineae. 14. *Kew Bull.* 21 : 111-117. 1967.
- Studies in Gramineae. 15. *Kew Bull.* 21 : 119-124. 1967.
- The correct name of the common reed. *Taxon* 17 : 168-169. 1968.
- Studies in Gramineae. 19. *Kew Bull.* 23 : 203-214. 1969.
- Studies in Gramineae. 20. *Kew Bull.* 23 : 293-296. 1969.
- CLIFFORD, H. T. Floral evolution in the family Gramineae. *Evolution* 15 : 455-460. 1961.
- The classification of the Poaceae : a statistical study. *Papers Dept. Bot. Univer. Queensland* 4 : 243-253. 1965.
- Attribute correlation in the Poaceae (Grasses). *Bot. J. Linn. Soc.* 62 : 59-67. 1969.
- Monocotyledon classification with special reference to the origin of grasses (Poaceae). In *Suppl. 1. Bot. J. Linn. Soc.* 63 : 25-34. 1970.
- AND D. W. GOODALL. A numerical contribution to the classification of the Poaceae. *Austr. J. Bot.* 15 : 499-519. 1967.
- , W. T. WILLIAMS AND G. N. LANCE. A further numerical contribution to the classification of the Poaceae. *Austr. J. Bot.* 17 : 119-131. 1969.
- CONERT, H. J. Beitrage zur Monographie der Arundinelleae. *Engl. Bot. Jahrb.* 77 : 226-354. 1957.
- Beitrage zur Monographie der Gattungen *Neyraudia* *Engl. Bot. Jahrb.* 78 : 208-245. 1959.
- COOPER, J. P. See WHYTE, R. O., T. R. G. MOIR AND J. P. COOPER. 1959.
- CRAMPTON, B. See STEBBING, G. L. AND B. Crampton. 1961.
- DABADGHAO, P. M. Types of grass covers in India and their management. *Proc. VIII intern. Grassl. Congr.* 1960 : 226-230. 1961.
- Grassland development in the hills of north India. *J. Soil Water Conserv. India* 12 : 62-66. 1964.
- See DAS, R. B., P. M. DABADGHAO, S. P. MARWAHA AND R. DEB ROY. 1963.
- , A. K. CHAKRAVARTY, R. B. DAS, R. DEB ROY AND S. P. MARWAHA. Response of some promising desert grasses to fertilizer treatments. *Ann. Arid Zone* 4 : 120-135. 1965.
- , S. P. MARWAHA, B. S. GUPTA, R. B. DAS AND B. DEB ROY. Root ecology of some promising grasses of Rajasthan. *Ann. Arid. Zone* 1 : 163-173. 1963.
- DABHOLKAR, M. V. See SHANKARNARAYAN, K. A. AND M. V. DABHOLKAR. 1959.
- DAKSHINDAS, D. G. (Co.-740)-a second wonder cane of Maharashtra. *Indian J. Sugarcane Res. Develop.* 8 : 160-171. 1964.
- DAKSHINI, K. M. M. Vegetation of Mothronwala Swamp forest, Dehra Dun, India. *J. Indian bot. Soc.* 44 : 411-428. 1965.
- DALAL, S. S., N. PATNAIK AND B. SINGH. Comparative performance study of 8 grasses for their use in waterways. *Indian For.* 91 : 498-504. 1965.
- DAS, E. S. AND G. C. GUPTA. Problem of grassland improvement in the hills of the Western Himalayas. *Indian For.* 93 : 23-26. 1967.
- DAS, K. C. AND S. N. MALLICK. New fodder for Hirakud farmers. *Gosamvardhana* 12 : 11. 1964.
- DAS, NARSINGH. Sweet Sudan grass—a palatable green forage for Kharif. *Indian Fmg.* 14 : 12. 1965.
- DAS, R. B. See DABADGHAO, P. M., A. K. CHAKRAVARTY, R. B. DAS, R. DEB ROY AND S. P. MARWAHA. 1965.
- See CHAKRAVARTY, A. K. AND R. B. DAS. 1965.
- See DABADGHAO, P. M., S. P. MARWAHA, B. S. GUPTA, R. B. DAS AND B. DEB ROY. 1963.
- AND C. P. BHIMAYA. Pasture ecology of grasslands of Western Rajasthan *Proc. Symp. Arid Zone. Jodhpur* : 399-412. 1964.
- P. M. DABADGHAO, S. P. MARWAHA AND R. DEB ROY. Grazing capacity studies in grasslands of Western Rajasthan. *Ann. Arid Zone* 2 : 14-25. 1963.
- AND B. S. GUPTA. A note on the effect of different fertilizers on protein status of some important grasses. *Ann. Arid Zone* 2 : 185-187. 1964.
- DATTA, P. C. AND R. K. MAITI. Paddy field weeds of Midnapur district. *Indian Agric.* 7 : 147-165. 1963.
- DATTA BISWAS, N. R. Trace elements in some Indian grasses and forage crops. *J. Indian Soc. Soil Sci.* 12 : 375-379. 1964.
- DAVE, P. C. See CHACKO, V. J., A. S. RAWAT, P. C. DAVE AND S. SINGH. 1965.
- D'CRUZ, R. See REDDY, P. S. AND R. D'CRUZ. 1967, 1968.
- DEB ROY, B. See DABADGHAO, P. M., S. P. MARWAHA, B. S. GUPTA, R. B. DAS AND B. DEB ROY. 1963.
- See DABADGHAO, P. M., A. K. CHAKRAVARTY, R. B. DAS, R. DEB ROY AND S. P. MARWAHA. 1965.
- See DAS, R. B., P. M. DABADGHAO, S. P. MARWAHA AND R. DEB ROY. 1963.

- DECKER, H. F. An anatomic systematic study of classical tribe Festuceae (Gramineae). *Amer. J. Bot.* 51 : 453-463. 1964.
- DESHPANDE, B. D. See MULAY, B. N., B. D. DESHPANDE AND N. LALITHA. 1962.
- AND S. SARKAR. Nodal anatomy and vascular system of some members of the Gramineae. *Proc. nat. Inst. Sci. India* 28B : 1-12. 1962.
- DESHPANDE, M. B. See SHAH, G. L. AND M. B. DESHPANDE. 1969.
- DESHPANDE, U. R. See JAIN, S. K. AND U. R. DESHPANDE. 1964, 1968.
- DE WET, J. M. J. Diploid races of tetraploid *Dichanthium* species. *Amer. Natur.* 49 : 167-172. 1965.
- See HARLAN, J. R. AND J. M. J. DE WET 1963.
- See HARLAN, J. R., W. W. HUFFIRE, J. M. J. DE WET AND S. P. SEN GUPTA. 1964.
- AND J. R. HARLAN. *Bothriochloa intermedia*, a taxonomic dilemma. *Taxon* 19 : 339-340. 1970a.
- AND—Biosystematics of *Cynodon* L. C. RICH. (Gramineae). *Taxon* 19 : 565-569. 1970b.
- AND B. D. SCOTT. Essential oils as taxonomic criteria in *Bothriochloa*. *Bot. Gaz.* 126 : 209-214. 1965.
- DE WINTER, B. The South African Stipeae and Aristideae. *Bothalia* 8 : 199-404. 1965.
- DEWEY, D. R. Morphology, fertility and cytology of *Agropyron repens* × *Agropyron desertorum* F₂S. *Amer. J. Bot.* 49 : 78-86. 1962.
- Synthetic hybrids of New World and Old World *Agropyrons* 1. Tetraploid *Agropyron spicatum* × diploid *Agropyron cristatum*. *Amer. J. Bot.* 51 : 763. 1964.
- DHAWAN, N. L. See SINGH, B., N. L. DHAWAN, E. W. SPRAGUE, R. L. PALIWAL AND S. M. VAIDYA. 1963.
- DIWAKARAN, K. Inheritance of toppling in *Eleusine coracana* (Linn.) Gaertn. *Madras agric. J.* 47 : 74-75. 1960.
- Comparative study of *Eleusine coracana* Gaertn. and *Eleusine reniformis* Divak. *Madras agric. J.* 49 : 339-342. 1962.
- DIXIT, S. N. AND T. N. SRIVASTAVA. Additions to the aquatic and swampy vegetation of Gorakhpur. *Proc. Indian Sci. Cong.* III : 437. 1968.
- , S. N. VERMA AND T. N. SRIVASTAVA. Additions to the rainy season weeds of Gorakhpur. *Proc. nat. Acad. Sci. India* 36B : 149-156. 1966.
- DONALD, L. S. Cytogenetic studies of allotetraploid hybrids of maize and perennial teosinte. *Amer. J. Bot.* 49 : 348-354. 1962.
- DORE, G. W. Some grass genera with liquid endosperm. *Bull. Torrey bot. Club.* 83 : 335-337. 1965.
- DURAIRAJ, V. See THANGAVELU, S. AND V. DURAIRAJ. 1965.
- DUTTA, A. K., Y. K. SARIN AND L. D. KAPOOR. Vegetation of Srinagar (Kashmir valley) with special reference to ecological habitat. *Proc. nat. Inst. Sci. India* 30B : 150-165. 1964.
- DUTTA, P. C. AND R. K. MAITI. Paddy field weeds of Midnapore district. *Indian Agric.* 7 : 147-165. 1963.
- AND N. C. MAJUMDAR. Flora of Hooghly district. 1. Common summer flowering angiosperms. *Bull. bot. Soc. Beng.* 15 : 49-58. 1961.
- EARLE SMITH, C. Jr. The "New World" centres of origin of cultivated plants and archaeological evidence. *Econ. Bot.* 22 : 253-266. 1968.
- EASWARANKUTHY, K. AND T. PRABHAKARAN. See PRABHAKARAN, T. AND K. EASWARANKUTHY. 1963-1964.
- EHRTER, W. Some effects of salinity on rice. *Bot. Gaz.* 122 : 102-104. 1960.
- EMERY, W. H. P. See BROWN, W. V. AND W. H. P. EMERY. 1957, 1958.
- ENYI, B. A. C. Relationship between shoot and panicle characters in rice (*Oryza sativa* L.). *Adv. Front. Pl. Sc.* 10 : 25-30. 1965.
- ESCOBER, T. R. See FERRARIS, I. P., P. J. PORTER (Jr.) AND T. R. ESCOBER. 1965.
- FELDMAN, M. See ZOHARY, D. AND M. FELDMAN. 1962.
- FERRARIS, I. P., R. J. PORTER (Jr.) AND T. R. ESCOBER. Production and quality of seven sugarcane varieties in relation to month of planting and harvesting age. *Sugar News* 41 : 260. 1965.
- FRETER, L. E. AND W. V. BROWN. A cytotoxic study of *Bouteloua curtipendula* & *B. uniflora*. *Bull. Torrey bot. Club.* 82 : 121-130. 1955.
- GANDHI, S. M., P. D. BHARGAVA AND M. P. BHATNAGAR. Grasses of Jaipur. *Proc. nat. Acad. Sci.* 31B : 183-192. 1961.
- , T. UMA MENON, P. D. BHARGAVA AND M. P. BHATNAGAR. Studies on hybrid vigour in wheat. *Indian J. Genet.* 21 : 1-10. 1961.
- GANDHI, S. S. Further records of rice (*Oryza* sp.) from ancient India. *Indian For.* 87 : 295. 1961.
- Variation in the spike-number of star grass [*Dactyloctenium aegyptium* (Linn.) Beauv.] *Labdev* 6B : 255-257. 1968.
- GAUR, Y. D. See SHANKARNARAYAN, K. A., A. CHERIAN AND Y. D. GAUR. 1965.
- GHOSH, M. AND P. N. BHADURI. Inter-relationships of subspecies of *Oryza sativa* as revealed by grain and embryo size. *Indian J. Genet.* 26 : 12-20. 1966.
- GHOSH, R. See MEHTA, R. K., A. SINGH AND R. GHOSH. 1965.
- See PATIL, B. D. AND R. GHOSH. 1964.
- See —A. SINGH AND R. GHOSH. 1964.
- GHOSH, R. B. Preliminary observations on the flora of dilapidated walls and buildings of Calcutta and its suburbs. *J. Indian bot. Soc.* 39 : 548-557. 1961.
- GHOSH, S. S. AND B. S. NEGI. Stem epidermis as an aid to the identification of some important bamboos. *Proc. Indian Sci. Cong.* III : 350-351. 1960.
- GILLET, J. M. AND H. A. SENN. New species of *Agropyron* from the Great Lakes. *Canad. J. Bot.* 39 : 1169. 1961.
- GILLILAND, H. B. Checklist of Malayan grasses. *Gdns' Bull.* 19 : 147-180. 1962.
- GLEDHILL, D. Biosystematic studies of the *Axonopus compressus* complex. New subspecies in West Africa. *Phytomorphology* 12 : 412-418. 1962.
- GOODALL, D. W. See CLIFFORD, H. T. AND D. W. GOODALL. 1967.
- GOPALAKRISHNAN, R. A new interspecific hybrid in *Oryza*. *Indian J. Genet.* 22 : 108-113. 1962.
- Taxonomic studies of *Oryza collina* (Trimen) Sharma et Shastri. *Indian J. Genet.* 26 : 98-100. 1966.
- Evolution of African cultivated rice, *Oryza glaberrima*. *Madras agric. J.* 53 : 116-122. 1966.
- AND S. SAMPATH. The American species of *Oryza*. *Oryza* 3 : 35-40. 1966.
- AND S. V. S. SHASTRY. Taxonomic studies in the genus *Oryza*. V. Ceylonese *Oryza* species. *Affin. O. officinalis*. *Indian J. Genet.* 25 : 168-172. 1965.
- AND—Taxonomic studies in the genus *Oryza*. VI. A modified classification. *Indian J. Genet.* 25 : 173-178. 1965.
- AND—Taxonomic studies in the genus *Oryza*. VII. Hairiness of sterile lemmas and fringing of leaf-sheath. *Indian J. Genet.* 25 : 179-184. 1965.

- GOSWAMI, H. K. Ecology of *Dactyloctenium aegyptium* Willd. I. With reference to Topographies and Edaphic factors. *Proc. Indian Sci. Cong.* III : 347. 1967.
- GOULD, F. W. Chromosome numbers in South Western grasses. II. *Amer. J. Bot.* 47 : 873-877. 1960.
- The grass genus *Andropogon* in the United States. *Brittonia* 19 : 70-76. 1967.
- Grass Systematics*. McGraw Hill. N. Y. 1967.
- GOYAL, R. D. Abnormal ovaries in a male sterile *Pennisetum typhoides* (Burm.) Stapf et G. E. Hubb. *Sci. & Cult.* 28 : 23-24. 1962.
- GRAHAM, J. D. See BROWN, W. V., W. F. J. D. HARRIS AND J. D. GRAHAM. 1959.
- GRAM, K. The inflorescence of grasses. *Bot. Tid.* 56 : 293-313. 1961.
- GRASSL, CARL O. Problems and potentialities of intergeneric hybridization in a sugarcane breeding programme. *Proc. 11th Congr. I. S. S. C. T. Mauritius* (1962) 1963.
- GRIGORIYEV, G. S. New ideas on the ecology of the orchard grass (*Dactylis glomerata* Linn.) I. On the historical approach to biology as related to the problem of polyploidy. *Bot. Zh.* 47 : 3. 1962.
- AND L. E. PAUSNER. Contribution to the ecology of the species of the genus *Aegilops* Linn. (as related to the problem of the ecological nature of annual ephemeral plants). *Bot. Zh.* 48 : 640. 1963.
- GRIST, D. H. *Rice*. London. 1963.
- GUANTES, M. M. See PANCHU, J. V., M. M. GUANTES AND F. I. SANTOS. 1963.
- GUHA, J. See MAHAPATRA, C. S., J. GUHA, N. N. ROY AND A. K. PAUL. 1965.
- GUHA, S. R. D. See BHAT, R. V., S. R. D. GUHA, M. G. KARNIK AND N. S. JASPAL. 1960.
- AND P. C. PANT. Pulps from "Nal Grass" by Mechanochemical process. *Indian For.* 89 : 126. 1963.
- AND Y. K. SHARMA. Grasses as new materials for paper making in India. *Indian For.* 94 : 268-272. 1968.
- GUPTA, B. K. Chromosome numbers in some species of *Cymbopogon*. *Proc. Indian Acad. Sci.* 62B : 155-157. 1965.
- See JANAKI AMMAL, E. K. AND B. K. GUPTA. 1969.
- GUPTA, B. S. See DABADGHAO, P. M., S. P. MARWAHA, B. S. GUPTA, R. B. DAS AND B. DEB ROY. 1963.
- See DAS, R. B. AND B. S. GUPTA. 1964.
- GUPTA, D. See CHAUDHARI, H. K. AND D. GUPTA. 1963.
- GUPTA, D. P. Treatment of congested clumps and artificial regeneration of bamboo (*Dendrocalamus strictus*) in Vindhyan Forests. *Indian For.* 90 : 832-838. 1964.
- GUPTA, G. C. See DAS, E. S. AND G. C. GUPTA. 1967.
- GUPTA, K. K. Flowering of the bamboos *Dendrocalamus hookeri* in Shillong during 1967. *Indian For.* 94 : 209. 1968.
- GUPTA, O. P. Survey of weed flora of Tarai region of U. P. *Labday* 4 : 86-96. 1966.
- GUPTA, P. K. Observations on degree of apospory in three members of Andropogoneae. *Curr. Sci.* 37 : 295-296. 1968.
- See ROY, R. P., A. P. SINGH AND P. K. GUPTA. 1965.
- GUPTA, R. A. See MAN SINGH AND R. A. GUPTA. 1961.
- GUPTA, R. K. On botanical trip to the source of the river Ganga in Tehri Garhwal Himalayas. *Indian For.* 86 : 547-552. 1960.
- Vegetation of Kodaikanal in South India. 1. Systematic list of trees, shrubs, and herbs. *J. Bombay nat. Hist. Soc.* 57 : 45-65. 1960.
- Ecological notes on the vegetation of Kodaikanal in South India. *J. Indian bot. Soc.* 39 : 601-607. 1960.
- Flora of district Muzaffarnagar in the Doab of the rivers Ganga and Yamuna. *J. Bombay nat. Hist. Soc.* 58 : 749-775. 1961.
- Vegetation of Kodaikanal in South India. 2. Supplementary list of trees, shrubs and herbs. *J. Bombay nat. Hist. Soc.* 59 : 185-199. 1962.
- Some observations on the plants of South Indian hill tops (Nilgiri and Palni plateaus) and their distribution in the Himalayas. *J. Indian bot. Soc.* 41 : 1-15. 1962.
- See Kanodia, K. C. AND R. K. Gupta. 1968.
- See SHANKARNARAYAN, K. A. AND R. K. GUPTA. 1959.
- AND S. K. SAXENA. Habitat, Grassland types and forage potential of Jalore Distt. in W. Rajasthan. *Ann. Arid Zone* 5 : 189-203. 1966.
- GUPTA, R. S. Vegetation of Kota and its neighbourhood. *Trop. Ecol.* 6 : 63-71. 1965.
- See VYAS, L. N. AND R. S. GUPTA. 1965.
- M. KHYBRI AND B. SINGH. Run off plot studies with different grasses with special reference to conditions prevailing in the Himalayas and the Siwalik region. *Indian For.* 89 : 128-133. 1963.
- GUPTA, V. B. See KARNIK, G. R. & V. B. GUPTA. 1968.
- GUPTA, S. C. An addition to the Grass flora of India—*Andropogon polytychus* Steud. var. *polytychus*. *Madras agric. J.* 51 : 398-399. 1964.
- S. CHINNAMANI AND N. D. REGE. Ecological relationship between high altitude grasslands in the Nilgiris. *Indian For.* 93 : 164-168. 1967.
- AND N. D. REGE. Improvement of natural grasslands on the Nilgiri plateau. *Indian For.* 91 : 115-122. 1965.
- HAKIM, K. L. AND S. SAMPATH. Relationship of *Oryza australiensis* Domin to the Section *Latifoliae* of the genus *Oryza*. *Oryza* 5 : 77-88. 1968.
- HAM, J. R. See YOUNG, R. A., J. R. HAM AND F. A. McCLURE. 1961.
- HANSEN, ALFRED. Revision der Niederlandischen Arten der Gattung *Agropyron*. *Act. Bot. Neerl.* 10 : 394-396. 1961.
- HARLAN, J. R. See DE WET, J. M. J. AND J. R. HARLAN. 1970a, b.
- See MEHRA, K. L., R. P. CELARIER AND J. R. HARLAN. 1960.
- AND J. M. J. DE WET. Role of apomixis in the evolution of the *Bothriochloa/Dichanthium* complex. *Crop. Sci.* 3 : 314-316. 1953.
- W. W. HUFFINE, J. M. DE WET AND S. P. SEN GUPTA. Biosystematics of the genus *Cynodon*. *Rep. Okl. Univ. Exp. Stn.* 499. 1964.
- HARRIS, W. F. See Brown, W. V., HARRIS, W. F. AND J. D. GRAHAM. 1959.
- HARTLEY, W. Studies on the origin, evolution and distribution of the Gramineae I. The tribe *Andropogoneae*. *Austr. J. Bot.* 6 : 116-128. 1958.
- Studies on the origin, evolution and distribution of the Gramineae II. The tribe *Panicaceae*. *Austr. J. Bot.* 6 : 343-357. 1958.
- Studies on the origin, evolution and distribution of the Gramineae. IV. The genus *Poa* Linn. *Austr. J. Bot.* 9 : 152-161. 1961.

- HARTLEY, W. AND S. CHRISTINE. Studies on the origin, evolution and distribution of the Gramineae. III. The tribes of the sub-family *Eragrostoideae*. *Austr. J. Bot.* 8 : 256-276. 1960.
- AND R. J. WILLIAMS. Centres of distribution of cultivated pasture grasses and their significance for plant introduction VII. *Intern. Grassl. Cong.* 5 : 17. 1956.
- HAZRA, P. K. See THOTHATHRI, K., B. V. SHETTY AND P. K. HAZRA. 1966.
- HEMADRI, K. New and interesting plant records. *Indian For.* 94 : 808-811. 1968.
- See JAIN, S. K. AND K. HEMADRI. 1968.
- See RAO, R. S. AND K. HEMADRI. 1968.
- AND K. V. BILLORE. *Ischaemum raizadae* Hemadri et Billore—a new grass from India. *Indian For.* 96 : 318-321. 1970.
- AND B. V. REDDI. New and interesting plant records. *Proc. Indian Sci. Cong.* III : 319. 1967.
- HENRY, A. N. See SUBRAMANYAM, K. AND A. N. HENRY. 1959, 1967.
- AND B. ROY. Nomenclatural notes on Indian flowering plants. *Bull. bot. Surv. India* 10 : 274-276. 1968.
- HERMSEN, J. G. Th. Hybrid necrosis as a problem for the wheat breeder. *Euphytica* 12 : 1. 1963.
- HILL, H. D. See CARNAHAN, H. L. & H. D. HILL. 1961.
- HSU, C. C. A study of Formosan *Panicum* (Gramineae) with special reference to their lodicules. *J. Jap. Bot.* 38 : 75-87. 1963.
- The classification of *Panicum* (Gramineae) and its allies, with special reference to the characters of lodicules, style-base & lemma. *J. Fac. Sci. Univ. Tokyo* III. 9 : 43-150. 1965.
- HUBBARD, C. E. New names in the Gramineae. *Kew Bull.* 375. 1954.
- Answering queries on the taxonomy and nomenclature of some grasses. *Fl. Lusitana Comm.* IX : 7-10. 1955.
- Grasses. Harmondsworth. 1968.
- See BOR, N. L. AND C. E. HUBBARD. 1958.
- HUFFIRE, W. W. See HARLAN, J. R., W. W. HUFFIRE, J. M. DE WET AND S. P. SEN GUPTA. 1964.
- ISIKAWA, SIGEO. See TADASHI, F. AND S. ISIKAWA. 1962.
- JACOB, C. M. See RAO, P. S., C. M. JACOB AND B. V. RAMASASTRI. 1969.
- JACQUES-FELIX, H. *Les Graminees d'Afrique tropicale*. Paris. 1962.
- JAGADISH CHANDRA, K. S. Cytological studies in species of *Cymbopogon* from South India. *Proc. Indian Sci. Congr.* III : 390-391. 1967.
- The occurrence and behaviour of extra chromosome in *Cymbopogon caesioides* (Nees) Stapf. *Proc. Indian Sci. Cong.* III : 359-360. 1968.
- JAIN, K. B. L. AND M. K. UPADHYAYA. Genetic studies in barley. 4. Inheritance of some plant characters. *Indian J. Genet.* 23 : 141-149. 1963.
- JAIN, M. B. See BOHRA, B. K., M. B. JAIN AND A. K. CHAKRAVARTY. 1969.
- AND B. K. BOHRA. Size and shape of plots and blocks for field experiments with *Lasiurus sindicus* Henr. *Ann. Arid Zone* 5 : 134-144. 1966.
- JAIN, S. K. Vegetation of Dangs district in Gujarat. *Bull. bot. Surv. India* 5 : 351-361. 1963.
- Notes on Indian Grasses I. Distribution of two less known species of *Cynodon* Rich. *Indian For.* 92 : 201-202. 1966.
- Notes on Indian Grasses II. The identity and distribution of certain species. *Indian For.* 92 : 362-367. 1966.
- Notes on Indian Grasses III. A new form of *Cynodon barberi* Rang. et Tad. *Indian For.* 92 : 699-700. 1966.
- On different types of "Dub" grass (Hindi). *Kheti* (Journal of I.C.A.R.) 18 : 39-41. 1966.
- Notes on Indian Grasses V. Type material of the genus *Cynodon* Rich. ex Pers. in Indian herbaria. *Bull. bot. Surv. India* 8 : 204-205. 1966.
- The genus *Cynodon* Rich. ex Pers. in India. *Bull. bot. Surv. India* 9 : 138-151. 1967.
- Notes on Indian Grasses VII. The genus *Oropetium* Trin. in India. *Bull. bot. Surv. India* 9 : 284-285. 1967.
- Notes on Indian Grasses VIII. *Manisuris divergens* (Hack.) O.K. collected after thirteen decades. *Bull. bot. Surv. India* 9 : 293-294. 1967.
- Notes on Indian Grasses IX. The identity and distribution of certain taxa. *Bull. bot. Surv. India* 10 : 161-164. 1968.
- Notes on Indian Grasses X. Proliferation in *Eragrostis Beauv.* & *Bromus* Linn. *Bull. bot. Surv. India* 10 : 229-230. 1968.
- Notes on Indian Grasses IV. The identity and distribution of certain species. *Indian For.* 94 : 326-330. 1968.
- See PURI, G. S. AND S. K. JAIN. 1960.
- See PURI, G. S., S. K. JAIN, S. K. MUKHERJEE, S. SARUP AND N. N. KOTWAL. 1964.
- See RAIZADA, M. B., R. C. BHARADWAJ AND S. K. JAIN. 1961.
- See RAIZADA, M. B. AND S. K. JAIN. 1961; 1964, 1966.
- AND D. K. BANERJEE. Notes on Indian Grasses VI. The identity and distribution of certain species. *Sci. & Cult.* 33 : 117-119. 1967.
- AND U. R. DESHPANDE. Observations on the vegetation of Khandesh (Maharashtra). *Proc. nat. Acad. Sci. India* 34B : 323-333. 1964.
- AND—*Manisuris santapau* Jain et Desh. *sp. nov.*, a new grass from India. *Bull. bot. Surv. India* 10 : 277-279. 1968.
- AND K. HEMADRI. *Manisuris mysorensis* Jain et Hemadri, *sp. nov.*, a new grass from India. *Bull. bot. Surv. India* 10 : 280-282. 1968.
- AND D. C. PAL. First record of the genus *Polytrias* Hack. in India. *Sci. & Cult.* 34 : 361-362. 1968.
- JAISWAL, P. C. Napier or Elephant grass (*Pennisetum purpureum*). *Allahabad Fmr.* 35 : 195-207. 1961.
- JAMAL, ARA. A cursory ecological survey of the flora and fauna of the Hazaribagh National Park (Bihar). *J. Bombay nat. Hist. Soc.* 57 : 325-338. 1960.
- Hazaribagh National Park (Bihar) revisited. *J. Bombay nat. Hist. Soc.* 63 : 123-138. 1966.
- JANAKI AMMAL, E. K. AND B. K. GUPTA. The role of vivipary in the genus *Cymbopogon*. *Curr. Sci.* 33 : 576. 1969.
- JANARDHANAN, K. P. Enumeration of the medicinal plants of Khed taluka (Maharashtra State). *Bull. bot. Surv. India* 5 : 363-374. 1963.
- JASPAL, C. N. S. See BHAT, R. V., S. R. D. GUHA, M. G. KARNIK AND C. N. S. JASPAL. 1960.
- JAUHAR, P. P. Studies on epidermal pattern in some species of *Panicum*. *J. Indian bot. Soc.* 46 : 215-221. 1967.
- AND A. B. JOSHI. A new species of *Panicum coloratum* Linn. complex (name : *P. simpliciflorum* Jauhar & Joshi). *J. Bombay nat. Hist. Soc.* 62 : 320. 1965.
- AND—New species of *Panicum*. *Bull. bot. Surv. India* 8 : 97-99. 1966a.

- JAUHAR, P. P. AND A. B. JOSHI. Cytotaxonomic investigations in *Panicum maximum* Jacq. complex I. Morphological studies. *Bull. bot. Surv. India* 8 : 287-295. 1966b.
- AND—Cytological studies in species of *Panicum*. *Cytologia* 31 : 153-159. 1966c.
- AND—Cytological and cyto-taxonomical studies on forage grasses. *J. Postgrad. Sch.* 4 : 209-219. 1966d.
- AND—Cytotaxonomic investigations in the *Panicum maximum* Jacq. complex II. Studies on epidermal pattern. *Bull. bot. Surv. India* 9 : 56-62. 1967.
- JAYARAM, S. AND A. V. KRISHNA MURTHY. Sugarcane research and development at Messrs E.I.D. & S. F. Ltd., Nellikuppam. *Indian J. Sugarc. Res. Dev.* 8 : 197-205. 1964.
- JIRASEK, V. See CHRTEK, J. AND V. JIRASEK. 1962, 1963.
- AND J. CHRTEK. Einige taxonomische probleme in der Sektion *Homalopoa* (Dumort) V. Jiras. der Gattung *Poa* Linn. *Novit. Bot. Hortt. Bot. Univ. Caro. Prag.* 35-40. 1962.
- AND N. JOZIFOVA. Morphology of lodicules, their variability and importance in the taxonomy of Poaceae family. *Bol. Soc. Argent. Bot.* 12 : 324-349. 1968.
- JOHNSEN, C. See BROWN, W. V. AND C. JOHNSEN. 1962.
- JOHNSON, B. L. Natural hybrid between *Oryzopsis* & *Stipa*. *O. hymenoides* × *S. speciosa*. *Amer. J. Bot.* 47 : 736-742. 1960.
- Natural hybrid between *Oryzopsis* & *Stipa*. 2. *Oryzopsis hymenoides* × *Stipa nevadensis*. *Amer. J. Bot.* 49 : 540. 1962.
- JOSEPH, J. Contribution to the flora of Bori Reserve Forest, Hoshangabad district, Madhya Pradesh. *Bull. bot. Surv. India* 5 : 281-299. 1963.
- See RAO, R. S. AND J. JOSEPH. 1965.
- See VAJRAVELU, E., J. JOSEPH, AND V. CHANDRASEKARAN. 1968.
- JOSHI, A. B. See JAUHAR, P. P. AND A. B. JOSHI. 1965. 1966a, b, c, d; 1967.
- JOSHI, M. C. AND C. B. S. R. SARMA. Study of grasses & sedges of certain areas in Jhunjhunu Distt. (Rajasthan.) *Proc. Symp. Probl. Indian Arid Zone* 394-398. 1964.
- Grasses of certain areas in Jhunjhunu District (Rajasthan). *Indian For.* 92 : 570-575. 1966.
- JOZIFOVA, M. See JIRASEK, V. AND M. JOZIFOVA. 1968.
- JUAN, P. V. See TATEOKA, T. AND P. V. JUAN. 1963.
- JURASIT, P. See SCHULZ-SCHAEFFER, J. AND P. JURASIT. 1962.
- KACKAR, N. L. See CHAKRAVARTY, A. K. AND N. L. KACKAR. 1967.
- KAMSHEV, N. S. Ecology of feather grass (*Stipa*). *Bot. Zh.* 40 : 200-205. 1955.
- KANDASAMI, P. A. Economic characters of triploids of *Saccharum spontaneum* Linn. and their utilization in sugarcane breeding. *Sci. & Cult.* 25 : 491-492. 1960.
- KANODIA, K. C. See NAIR, N. C. AND K. C. KANODIA. 1959.
- See NAIR, N. C., K. C. KANODIA AND T. A. THOMAS. 1961.
- See RAO, R. S. AND K. C. KANODIA. 1963.
- AND R. K. GUPTA. Sand dune flora of Western Rajasthan I. Systematic lists of trees, shrubs & herbs. *J. Bombay nat. Hist. Soc.* 65 : 681-695. 1968.
- AND K. C. MALLICK. New plant records and critical notes on some plants from South Bihar. *Indian For.* 92 : 707-708. 1966.
- KANODIA, K. C. AND P. C. NANDA. Grasses and grasslands of Kutch. *Ann. Arid Zone* 5 : 173-188. 1966.
- AND—The genus *Aristida* in W. Rajasthan. *Indian For.* 94 : 296-302. 1968.
- AND R. S. RAO. Grasses of Mount Abu, Rajasthan State. *Ann. Arid Zone* 4 : 110-119. 1965.
- AND—Grasses of Mount Abu, Rajasthan. *Ann. Arid Zone* 6 : 49-62. 1966.
- KANWAR, R. S. See SINGH, S. AND R. S. KANWAR. 1964.
- KAPOOR, L. D. See DUTTA, A. K., Y. K. SARIN AND L. D. KAPOOR. 1964.
- KAPOOR, S. L. On the Botany of Lucknow District. *J. Bombay nat. Hist. Soc.* 59 : 862-896. 1962.
- Contribution to our knowledge of the Flora of the Mahendragiri hills of Orissa. *J. Bombay nat. Hist. Soc.* 61 : 354-369. 1964.
- Material for a flora of the Doda District of Jammu & Kashmir State. *Bull. bot. Surv. India* 10 : 28-49. 1968.
- KARIRA, G. V. See BADHWAR, R. L., R. M. BERI, G. V. KARIRA AND H. SETHI. 1962.
- AND R. M. BERI. Studies on cultivation and exploitation of *Rosha* grass. *Indian For.* 92 : 127-131. 1966.
- KARNIK, C. R. Mineral contents of some grasses and legumes growing in dry deciduous forests of Satpura Mountains, India. *Proc. Indian Sci. Cong.* III : 441-442. 1968.
- AND V. B. GUPTA. Ecology of Bari-Bareli forests of Madhya Pradesh. *Proc. Indian Sci. Cong.* III : 439. 1968.
- KARNIK, M. G. See BHAT, R. V., S. R. D. GUHA, M. G. KARNIK AND C. N. S. JASPAL. 1960.
- KARRIBASSAPPA, B. K. A variety of *Oryza officinalis* from Ceylon. *Oryza* 1 : 88. 1962.
- KAUL, A. K. Comparative embryological, cytochemical & cytological studies in members of Maydeae and their hybrids. *Agra Univ. J. Res.* 13 : 201-204. 1964.
- See PALIWAL, R. L. AND A. K. KAUL. 1959.
- AND R. L. PALIWAL. Morphology and cytology of a new species of *Coix* with 32 chromosomes. *Cytologia* 29 : 375-386. 1964.
- KAUL, O. N. Bamboo in Chambal ravines. *Indian For.* 83 : 194-199. 1963.
- Grassland improvement in dry and arid tracts of Rajasthan. *N. For. Ranger Coll. Mag. A.* 20 : 21-31. 1967-68.
- KAUL, S. N. AND V. M. RAO. Grasses suiting reservoir foreshore lands. *J. Soil Water Conserv. India* 9 : 140-145. 1961.
- KAUL, V. AND D. P. ZUTSHI. Study of aquatic and marshland vegetation of Srinagar. *Proc. nat. Inst. Sci. India* 33B : 111-127. 1967.
- KAWANO, S. See KOYAMA, T. AND S. KAWANO. 1964.
- KEDARNATH, S. AND R. N. CHATTERJEE. A valuable exotic bamboo (*Phyllostachys bambusoides*) in Himachal Pradesh. *Indian For.* 92 : 428-431. 1966.
- KEMP, R. K. Methods of estimating the leaf area of grasses from linear measurements. *Ann. Bot.* 24 : 491. 1960.
- KENNEDY-O'BYRNE, J. Studies in the Gramineae: III. *Festuca*, new sp. etc. *Kew Bull.* 16 : 461. 1963.
- KHARBANDA, B. C. See LAHIRI, A. N. AND B. C. KHARBANDA. 1961.
- KHODYKOV, L. E. New awnless varieties of barley. *Vest Lenin. Univ. Ser. biol.* 3 : 66. 1965.
- KHOSLA, P. K. See MEHRA, P. N., P. K. KHOSLA, B. L. KOHLI, AND J. S. KOONAR. 1968.
- KHYBRI, M. See GUPTA, R. S., M. KHYBRI, AND B. SINGH. 1963.

- KOHLI, B. L. See MEHRA, P. N., P. K. KHOSLA, B. L. KOHLI AND J. S. KOONAR. 1968.
- See PAL, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BAHL, R. N. SWANEY AND D. S. ARORA. 1963.
- KORLAHALLI, B. C. See RAO, T. A. AND B. C. KORLAHALLI. 1967.
- KOTWAL, N. See PURI, G. S., S. K. JAIN, S. K. MUKHERJEE, N. KOTWAL AND S. SARUP. 1964.
- KOYAMA, T. AND S. KAWANO. Critical taxa of grasses with North American and eastern Asiatic distribution. *Canad. J. Bot.* 42 : 859. 1964.
- KRISHNAMURTHY, A. V. See JAYARAM, S. AND A. V. KRISHNAMURTHY. 1964.
- KRISHNAN, KUMAR. See SINGH, M. M. AND KUMAR KRISHNAN. 1965.
- KRISHNASWAMI, D. See RAMAN, V. S., D. KRISHNASWAMI AND M. K. NAIR. 1962.
- AND G. THULSIDAS. Proliferation of spikelets and forking of panicles in *Pennisetum polystachyon* Schult. *Madras agric. J.* 48 : 351-352. 1961.
- KRISHNASWAMI, N. AND P. CHANDRASEKHARAN. A new species of *Oryza* Linn. *Madras agric. J.* 45 : 471-472. 1958.
- KUMAR, ASOKE. See CHATTERJEE, B. N. AND ASOKE KUMAR. 1964.
- KUMAR, S. A taxonomically interesting deviation in *Vetiveria zizanioides* (Linn.) Nash. *Sci. & Cult.* 29 : 152-153. 1963.
- See RAMANUJAM, G. L. AND S. KUMAR. 1963.
- KUMAR, V. See MISRA, D. K. AND V. KUMAR. 1964.
- KUSHWAH, J. S. AND G. S. CHAUHAN. Grass for rain fed area. *Gosamwardhana* 13 : 31-32. 1966.
- KUWABARA, Y. On the shape and direction of leaves of grass seedlings. *J. Jap. Bot.* 36 : 368-375. 1961.
- Systematic and autecological studies on grasses ; specially on the taxonomic characters of grass seedlings. *Bol. Soc. Argent. Bot.* 12 : 316-328. 1968.
- LAHIRI, A. N. AND B. C. KHARBANDA. Dimorphic seeds in some arid zone grasses and the significance of growth differences in their seedlings. *Sci. & Cult.* 27 : 448-450. 1961.
- LALITHA, N. See DESHPANDE, B. D., N. LALITHA AND B. N. MULAY. 1962.
- LANCASTER, S. P. Food plants of India. *Bull. nat. bot. Gdns. Lucknow*. No. 99 : 1-43. 1964.
- LANCE, G. N. See CLIFFORD, H. T., W. T. WILLIAMS AND G. N. LANCE. 1969.
- LARIN, I. V. Theory and practice of grasslands management. *Bot. Zh.* 45 : 1739. 1960.
- LARSEN, KAI. Cytological and experimental studies in *Koeleria*. 1. *Koeleria pubescens*. *Hereditas* 46 : 312-318. 1960.
- LAWRENCE, C. A. Observations on the flora of Marundul malai, Kanya Kumari (Cape Comorin). *J. Bombay nat. Hist. Soc.* 56 : 95-100. 1959.
- Vegetation of Kanyakumari district (Cape Comorin). *J. Bombay nat. Hist. Soc.* 57 : 184-195. 1960.
- LAWSON, E. N. See BADENHUIZEN, N. P. AND E. N. LAWSON. 1962.
- LEBAILLY, G. Les especes du genre *Poa* Linn. section *Stoloniferae* Nannf indigenes en Belgique. *Bull. Jard. bot. Brux.* 30 : 5-14. 1960.
- LEIGH, J. H. AND J. W. MATTHEWS. Electron microscope study of the wax bloom on leaves of certain Love grasses [*Eragrostis curvula* (Schrud.) Nees] *Aust. J. Bot.* 11 : 62. 1963.
- LI, H. W., C. C. CHEN, T. S. WEN AND K. D. WUN. Cytogenetical studies of *Oryza sativa* Linn. and its related species. 4. Interspecific crosses involving *O. australiensis* with *O. sativa* and *O. minuta*. *Bot. Bull. Acad. Sinica* 4 : 65-74. 1963.
- LI, Y. H., R. A. LUBKE AND J. B. PHIPPS. Studies in the Arundinelleae (Gramineae) IV. Chromosome numbers of 23 species. *Canad. J. Bot.* 44 : 387-393. 1966.
- LORCH, J. *Arthrochloa*. New genus of grasses from India. *J. Indian bot. Soc.* 39 : 490-495. 1960.
- A revision of *Crypsis* Ait. (Gramineae). *Bull. Res. Council. Israel* 11D : 91-116. 1962.
- LOVE, R. M. See TOTHILL J. G. AND R. M. LOVE. 1964, 1966.
- LUBKE, R. A. See LI, Y. H., R. A. LUBKE AND J. B. PHIPPS. 1966.
- MADHUSUDHANA, R. G. See APPALANAI DU, B. AND R. G. MADHUSUDHANA. 1961.
- MAGOON, M. L. See SHAMBULINGAPPA, K. G. AND M. L. MAGOON. 1963.
- AND P. L. MANCHANDA. Cytological study of some species in the genus *Paspalum*. *Indian J. Genet.* 21 : 212-221. 1961.
- AND K. G. SHAMBULINGAPPA. Cytomorphological studies of some species and hybrids in the *Eusorghums* (English). *Chromosoma* 14 : 572. 1963.
- MAHAPATRA, C. S., J. GUHA, N. N. ROY AND A. K. PAUL. Weed flora in the rice fields of Kalimpong on the eastern Himalayas. *Agric.* 9 : 33-40. 1965.
- MAHESHWARI, J. K. Vegetation of marshes, swamps and riverside in Khandwa district (Madhya Pradesh). *J. Bombay nat. Hist. Soc.* 57 : 371-387. 1960.
- Weeds and alien plants from Asirgarh, M. P. *J. Bombay nat. Hist. Soc.* 58 : 202-215. 1961.
- Notes on the flora of black cotton soils in East Nimar, Madhya Pradesh, *Indian For.* 88 : 115-135. 1962.
- Flora of Delhi*, Delhi. 1964.
- What is *Andropogon esculentum* Kurz? *Taxon* 15 : 33-34. 1966.
- MAHESHWARI, P. AND S. L. TANDON. Agriculture & Economic development in India. *Econ. Bot.* 13 : 205-242. 1959.
- MAHESHWARAN, K. Synthesis of a red glumed peria-manjal cholam (*Sorghum durra* var. *coimbatoreicum*) with juicy stalks. *Madras agric. J.* 52 : 18-19. 1965.
- MAITI, R. K. See DUTTA, P. C. AND R. K. MAITI. 1963.
- MAJUMDAR, N. C. Aquatic and semi-aquatic flora of Calcutta and adjacent localities. *Bull. bot. Soc. Bengal* 19 : 10-17. 1965.
- See DUTTA, P. C. AND N. C. MAJUMDAR. 1961.
- MAJUMDAR, R. B. Weed-flora of the district of 24-Parganas, W. Bengal. *Indian Agric.* 4 : 89-213. 1962.
- Importance of anatomy in the classification of the Grasses. *Bull. bot. Soc. Bengal* 17 : 29-43. 1963.
- MALICK, C. P. B-Chromosomes in *Festuca polesica* Zapel. *Sci. & Cult.* 33 : 63. 1967.
- MALICK, K. C. Contribution to the flora of Purulia district, West Bengal. *Bull. bot. Surv. India* 8 : 45-49. 1966.
- See KANODIA, K. C. AND K. C. MALICK. 1966.
- MALICK, S. N. See DAS, K. C. AND S. N. MALICK. 1964.
- MALL, L. P. AND K. S. MANILAL. Some ecological and physiological studies on *Crypsis aculeata* (Linn.) Ait. *Bull. bot. Soc. Univ. Sagar* 14 : 22-32. 1962.
- MANCHANDA, P. L. See MAGOON, M. L. AND P. L. MANCHANDA. 1961.

- MANILAL, K. S. *See* MALL, L. P. AND K. S. MANILAL. 1962.
- MANNAN, M. A. Bamboo, its habit and use. *Pakist. J. Sci.* 14 : 299-301. 1962.
- MAN SINGH AND R. A. GUPTA. (Co.-975)—a new sugarcane variety for Western Uttar Pradesh. *Indian Sugar*. 11 : 19-21. 1961.
- AND R. P. SINGH. (Co.-1007)—a new sugarcane variety finds its home in the Western Range of Uttar Pradesh. *Indian Sugar*. 11 : 379-382. 1961.
- MARWAHA, S. P. *See* DABADGHAO, P. M., A. K. CHAKRAVARTY, R. B. DAS, R. DEB ROY AND S. P. MARWAHA. 1965.
- See* DABADGHAO, P. M., S. P. MARWAHA, B. S. GUPTA, R. B. DAS AND R. DEB ROY. 1963.
- See* DAS, R. B., P. M. DABADGHAO, S. P. MARWAHA AND R. DEB ROY. 1963.
- MATHEW, K. M. The vegetation of Kodaikanal Grassy slopes. *J. Bombay nat. Hist. Soc.* 56 : 389-422. 1959.
- Exotic flora of Kodaikanal. *J. Bombay nat. Hist. Soc.* 62 : 56-75. 1965.
- MATHUR, C. M. AND S. K. VERMA. Vegetation types of Sirohi Forest Division. *Indian For.* 90 : 413-430. 1964.
- MATHUR, R. S. Bamboo resources survey in Kalagarh forest division, Western Circle, U. P. *Indian For.* 90 : 737-754. 1964.
- MATTHEWS, J. W. *See* LEIGH, J. H. AND J. W. MATTHEWS. 1963.
- MCCLURE F. A. Toward a fuller description of the Bambusoideae (Gramineae). *Kew Bull.* 15 : 321-324. 1961.
- Typification of the genera of Bambusoideae. *Taxon* 12 : 127. 1963.
- The Bamboos*. Harvard Univ. Press. Cambridge. 1966.
- See* YOUNG, R. A., J. R. HAM AND F. A. MCCLURE. 1961.
- MCWILLIUM, J. R. Interspecific hybridization in *Phalaris tuberosa* and hexaploid race of *Phalaris arundinacea*. *Aust. J. Agric. Res.* 13 : 585. 1962.
- MEENAKSHI, K. *See* SIVAGNAM, L., M. S. THANGAM AND K. MEENAKSHI. 1961.
- See* SUBRAMANIAM, A., K. MEENAKSHI, L. SIVAGNAM AND M. S. THANGAM. 1962.
- See* SUBRAMANIAM, A., K. MEENAKSHI AND M. S. THANGAM. 1960.
- MEHER-HOMJI, V. M. Ecological status of the Montane grasslands of the south Indian hills, a phytogeographic reassessment. *Indian For.* 91 : 210-215. 1965.
- MEHRA, K. L. Chromosome number in the tribe Andropogoneae, Gramineae. *Indian J. Genet.* 15 : 114. 1955.
- Chromosome numbers, geographical distribution and taxonomy of the *Dichanthium annulatum* Complex. *Phyton* 17 : 151-166. 1961.
- Natural hybridization between *Eleusine coracana* & *E. africana* in Uganda. *J. Indian bot. Soc.* 41 : 531-539. 1962.
- The *Dichanthium annulatum* Complex. 1. Morphology. *Phyton* 18 : 87-93. 1962.
- Consideration on the African origin of *Eleusine coracana* (Linn.) Gaertn. *Curr. Sci.* 32 : 300-301. 1963.
- Differentiation of the cultivated and wild *Eleusine* species. *Phyton* 20 : 181-198. 1963.
- Chromosome numbers of a few grasses. *Sci. & Cult.* 31 : 92. 1965.
- The *Dichanthium annulatum* Complex. IV. Study of natural hybridization from herbarium specimens. *Revista Biol.* 5 : 295-302. 1966.
- See* NATH, J., M. S. SWAMINATHAN AND K. L. MEHRA. 1960.
- AND E. ANDERSON. Character Association Analysis : its use in Grass taxonomy. *Proc. IX intern. bot. Cong.* 11, 11A. 1959.
- AND R. P. CELARIER. Cytotaxonomic notes on the *Dichanthium annulatum* Complex. *Proc. Okla. Acad. Sci.* 38 : 22-25. 1958.
- , —AND J. R. HARLAN. Effects of environment on selected morphological characters in the *Dichanthium annulatum* Complex. *Proc. Okla. Acad. Sci.* 40 : 10-14. 1960.
- MEHRA, P. N., P. K. KHOSLA, B. L. KOHLI AND J. S. KOONAR. Cytological studies in the north Indian grasses (Part I). *Res. Bull. Punjab Univ.* 19 : 157-230. 1968.
- MEHTA, A. R. *See* CHAVAN, A. R. AND A. R. MEHTA. 1959, 1960.
- MEHTA, R. K., AMAR SINGH AND R. GHOSH. Intercrop Pusa Giant berseem with Napier. *Indian Fmg.* 15 : 4-5. 1965.
- MELAK, H. MENGESHA. Chemical composition of Teft (*Eragrostis tef*) compared with that of Wheat, Barley and Grain Sorghum. *Econ. Bot.* 20 : 268-273. 1966.
- MELDERIS, A. *See* BOR, N. L. AND A. MELDERIS. 1965.
- METCALFE, C. R. *Anatomy of the Monocotyledons*. 1. Gramineae. London. 1960.
- MILFORD, R. Criteria for expressing nutritional values of subtropical grasses. *Aust. J. agric. Res.* 11 : 121-137. 1960.
- MIMEUR, G. Systematique specifique de genre *Coix* et Systematique varietate de *Coix lacryma-jobi*. *Rev. int. Bot. Appl.* 31 : 197-210. 1961.
- MISHRA, D. *See* MOHANTY, P. K. AND D. MISHRA. 1963.
- MISHRA, R. R. Seasonal distribution of fungi in four different grass Consociations of Varanasi, India. *Trop. Ecol.* 6 : 133-140. 1965.
- Seasonal variation in fungal flora of grasslands of Varanasi (India). *Trop. Ecol.* 7 : 100-113. 1966.
- MISRA, D. K. AND V. KUMAR. Influence of depth of seeding on emergence, growth, crop stand and yield of *Pennisetum typhoides* in arid zone. *Ann. Arid Zone* 2 : 114-122. 1964.
- MISRA, K. C. ... Geography, morphology & environmental relationships of certain *Stipa* species in the Northern Great plains. Ph. D. Thesis, Saskatchewan University, Canada. 1961.
- A method of evaluation of tropical habitats for production of food, fodder, fuel and fertilizers with reference to grass lands. *Proc. Symp. Soc. trop. Ecol.* : 19-20. 1962.
- Phytogeography of the Genus *Stipa* Linn. *Trop. Ecol.* 4 : 1-20. 1963.
- Quantitative estimation of grassland vegetation through point-centered method. *Trop. Ecol.* 5 : 10-16. 1964.
- MISRA, O. B., R. SEETHARAMAN AND R. H. RICHARIA. Studies on world genetic stock of rice (*Oryza sativa* Linn.) 2. Awning. *Indian J. Genet.* 21 : 38-42. 1961.
- MISRA, O. P. *See* VERMA, D. M., B. M. WADHWA AND O. P. MISRA. 1965.
- MISRA, R. *See* SINGH, J. S. AND R. MISRA. 1968.
- MISRO, B. AND G. C. RATH. Palynological studies in the genus *Oryza* Linn. 1. Preliminary Survey. *J. biol. Sci.* 4 : 36-46. 1961.
- MITRA, H. Guatemala grass. *Two & Bud* 10 : 33-34. 1963.
- MITRA, K. *See* SINGH J. S. AND K. MITRA. 1964.
- MOBLEY, H. M. *See* BROWN, W. V., G. A. PRATT AND H. M. MOBLEY. 1959.

- MOHAN, J. B. See PHIPPS, J. B. AND J. B. MOHAN. 1970.
- MOHANTY, P. K. AND D. MISHRA. Prospects of lemon grass cultivation in Orissa. *Bull. reg. Res. Lab.* 1 : 101-103. Jammu 1963.
- MOIR, T. R. G. See WHYTE, R. O., T. R. G. MOIR AND J. P. COOPER. 1959.
- MUKHERJEE, A. K. See RAO, T. A., K. R. AGGARWAL AND A. K. MUKHERJEE. 1963a, b.
- See RAO, T. A., L. K. BANERJEE AND A. K. MUKHERJEE. 1970.
- See RAO, T. A. AND A. K. MUKHERJEE. 1965.
- See RAO, T. A., A. K. MUKHERJEE AND L. K. BANERJEE. 1967.
- MUKHERJEE, B. Grass pollen grains in the pollen analysis of South West Bengal. *Proc. Indian Sci. Cong.* III : 343. 1968.
- MUKHERJEE, S. K. Sketch of the vegetation of Jalpaiguri district of West Bengal. *Bull. bot. Surv. India* 7 : 134-137. 1965.
- See PURI, G. S., S. K. JAIN, S. K. MUKHERJEE, S. SARUP AND N. KOTWAL. 1964.
- MULAY, B. N., B. D. DESHPANDE AND N. LALITHA. Leaf structure in grasses. *Proc. Indian Sci. Cong.* III : 271. 1962.
- MULDER, D. Spikiness disease of Guatemala grass (*Tripsacum laxum* Nash), a virus disease. *Tea Quart.* 34 : 16-18. 1963.
- MUNIYAMMA, M. Cytological studies in some Indian grasses. *Proc. Indian Sci. Cong.* III : 364. 1968.
- MURTHY, G. G. K. See RAO, R. S. AND G. G. K. MURTHY. 1962.
- MURTY, U. R. K. See VENKATESWARLU, J. AND U. R. K. MURTY. 1967.
- MURTY, Y. S. AND V. SINGH. Grasses of Hastinapur. *Indian For.* 86 : 402-409. 1960.
- AND—Flora of Hastinapur. *Agra Univ. J. Res. (Sci.)* 10 : 193-241. 1961a.
- AND—New plant records for the Upper Gangetic Plain from Meerut and its neighbourhood. *Proc. nat. Inst. Sci. India* 27B : 13-17. 1961b.
- NAGARAJAN, M. See BALA SUBRAMANIAM, G. AND M. NAGARAJAN. 1960.
- See SUNDARARAJ, D. D. AND M. NAGARAJAN. 1964.
- NAIDU, V. K. AND R. S. PRAKASA RAO. Contribution to the flora of Tirupati hills. *Indian For.* 93 : 123-155. 1967.
- NAIR, M. K. See RAMAN, V. S., D. KRISHNASWAMI AND M. K. NAIR. 1962.
- See RAMAN, V. S. AND M. K. NAIR. 1964.
- NAIR, N. C. Flora of Chirawa. *Proc. Raj. Acad. Sci.* 6 : 49-64. 1956.
- Vegetation of Jhunjhunu, Mandrela and neighbouring places. *J. Bombay nat. Hist. Soc.* 58 : 433-440. 1961.
- Botanical tour to Lahul and Spiti (Punjab Himalayas). *Bull. bot. Surv. India* 6 : 219-235. 1964.
- Some plant records for the Punjab plains. 3. *Bull. bot. Surv. India* 6 : 299-300. 1964.
- NAIR, N. C. AND K. C. KANODIA. A study of the vegetation of Ajit Sagar Bundh, Rajasthan. *J. Bombay nat. Hist. Soc.* 56 : 524-577. 1959.
- , —AND T. A. THOMAS. The vegetation of Khetri town and its neighbourhood. *Proc. Raj. Acad. Sci.* 8 : 99-110. 1961.
- AND G. S. NATHAWAT. Vegetation of Pilani and its neighbourhood. *J. Bombay nat. Hist. Soc.* 54 : 91-106. 1956.
- NAIR, N. R., N. M. NAYAR AND P. C. SAHADEVAN. On the occurrence of *Oryza* species in S. W. India and its significance. *Curr. Sci.* 33 : 515-517. 1964.
- NAIR, P. K. K. Pollen grains of cultivated plants. 3. Great millet and maize. *Indian J. agric. Sci.* 32 : 196-200. 1962.
- NAITHANI, B. D. Flora of Bandipur Reserve forest, Mysore State. *Bull. bot. Surv. India* 8 : 252-263. 1966.
- NANDA, P. C. Ecological distribution of natural fodder grasses in Western Rajasthan. *Indian For.* 87 : 10-19. 1961.
- See KANODIA, K. C. AND P. C. NANDA. 1966, 1968.
- See PRAKASH, M. AND P. C. NANDA. 1961.
- NARASIMHA MURTHY, B. L. AND M. SIVARAMAKRISHNAIAH. Modern trends of agricultural research with reference to *Striga*-resistant *Sorghum* types for maximising food production. *Andhra agric. J.* 10 : 6-11. 1963.
- NARASIMHA MURTHY, K. Study on the effect of spacing on yield of four erect and four prostrate cultivated grasses. *Andhra agric. J.* 10 : 86-92. 1963.
- NARASIMHAN, R. See RAO, THULJARAM AND R. NARASIMHAN. 1963.
- NARAYAN, K. N. Cytological studies in Gramineae & Compositae. *J. Mysore Univ.* 21B : 144-156. 1968.
- AND C. SHANTHAMMA. Cytological studies in Gramineae. *Proc. Indian Sci. Cong.* III : 363. 1968.
- AND A. SINDHE. Cytological studies in some grasses. *Proc. Indian Sci. Cong.* III : 363. 1968.
- NARAYAN NAMBOODIRI, K. M. Hybrid vigour in rice. *Rice News Teller* 11 : 81. 1963.
- See SAHADEVAN, P. C. AND K. M. NARAYAN. 1963.
- NARAYANSWAMI, V. A. *Bibliography of Indology*, Vol. 2. Indian Botany Pt. I. (A-J) : 1-370. 1962.
- NARULA, P. N. AND Y. M. UPADHYAYA. Nodal & branched ears in Barley. *Sci. & Cult.* 28 : 380-381. 1962.
- NASKAR, J. N. See SEN, J. AND J. N. NASKAR. 1965.
- NATH, G. M. Flowering of "Pecha bamboo" (*Dendrocalamus hamiltonii*) in the hills of Cachar district. *Indian For.* 85 : 72. 1959.
- Flowering of Muli bamboos (*Melocanna bambusoides*). *Indian For.* 94 : 346. 1968.
- NATH, J., M. S. SWAMINATHAN AND K. L. MEHRA. Cytological studies in the tribe Paniceae, Gramineae. *Cytologia* 35 : 111-131. 1970.
- NATHAWAT, G. S. *Study of the root apex organisation in some monocotyledons*. Thesis, Rajasthan Univ. Jaipur. 1965.
- See NAIR, N. C. AND G. S. NATHAWAT. 1956, 1967.
- NAYAR, N. M. Spatial and temporal aspects of origin of rice. *Proc. Indian Acad. Sci.* 63B : 297-303. 1966.
- See NAIR, N. R., N. M. NAYAR AND P. C. SAHADEVAN. 1964.
- NEGI, B. S. See GHOSH, S. S. AND B. S. NEGI. 1960.
- NILAM, R. A. The Cytology and genetics of barley. *Wash. State Univ. Res. Stud. Monogr. Suppl.* No. 3. 1964.
- NILES, G. D. See CHASE, A. AND G. D. NILES. 1962.
- NIRULO, S. Studies on the induction of mutations in some eu- and para-*Sorghum* species. *Indian J. agric. Sci.* 34 : 87-100. 1964.
- NOBLE, W. A. Shifting balance of grasslands, shola forests, and planted trees on the Upper Nilgiris, Southern India. *Indian For.* 93 : 691-693. 1967.
- NORSTAG, K. J. Some observations on the spikelet of *Hierochloa obovata*. *Bull. Torr. bot. Cl.* 87 : 95-98. 1960.

- NYGREN, A. Artificial and natural hybridization in European *Calamagrostis*. *Symp. Bot. Upsal.* 17 : 1-105. 1962.
- OHMASA, M. Rice cultivation in Japan. *Indian Agric.* 6 : 15-20. 1962.
- OKE, J. G. Improvement of grazing areas in scanty rainfall zones of Maharashtra State with special reference to sheep and goat grazing. *Poona agric. Coll. Mag.* 52 : 6-13. 1962.
- Gajraj, new hybrid grass. *Poona agric. Coll. Mag.* 53 : 14-17. 1963.
- PADMANABHAN, S. Y. The present position and control of Rice diseases in India. *Proc. Indian Acad. Sci.* 59B : 349-362. 1962.
- PAL, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BAHL, R. N. SWANEY AND D. S. ARORA. Performance of some N. P. WHEATS in the hills of North India. *Indian J. Genet.* 23 : 124-134. 1963.
- PAL, D. C. Plants associated with the "Durga Puja" ceremony in West Bengal. *Proc. Indian Sci. Congr.* III : 447-448. 1968.
- An instance of malformed spikelets in *Myriostachya Hook. f.* (Poaceae) in India. *Indian For.* 95 : 280. 1969.
- See JAIN, S. K. AND D. C. PAL. 1968.
- AND D. K. BANERJEE. Instance of malformed spikelets in *Panicum Linn.* (Poaceae) in India. *Indian For.* 96 : 937. 1970.
- PALANISWAMY, K. M. AND G. PURUSHOTHAMAN. A note on the culm branching in Rice. *Madras agric. J.* 50 : 337. 1963.
- PALIWAL, R. L. See KOUL, A. K. AND R. L. PALIWAL 1964.
- See SINGH, B., N. L. DHAWAN, E. W. SPRAGUE, R. L. PALIWAL AND S. M. VAIDYA. 1963.
- AND A. K. KOUL. Note on an abnormal inflorescence of *Zea mays* Linn. *Agra Univ. J. Res. Sci.* 8 : 295-296. 1959.
- PANCHO, J. V., M. M. GUANTES AND F. I. SANTOS. Identification of common forage and pasture grasses by their vegetative characters. *Philipp. Agric.* 46 : 744-757. 1963.
- PANDEYA, S. C. Some new concepts in phytosociological studies of grassland I. Dominance diagrams. 2. Community Coefficient (FXC) 1 CC. *J. Indian bot. Soc.* 40 : 263-270. 1961.
- Ecology of grasslands of Sagar, Madhya Pradesh. 1. Grassland map of the area on physiognomic basis. *J. Indian bot. Soc.* 40 : 592-600. 1961.
- Ecology of grasslands of Sagar, Madhya Pradesh. 2A. Composition of the fenced grassland associations. 2B. Composition of the associations open to grazing or occupying special habitat. *J. Indian bot. Soc.* 43 : 577-639. 1964.
- Ecology of grasslands of Sagar, Madhya Pradesh. 3. Edaphic factors in the distribution of grassland associations. *Trop. Ecol.* 10 : 163-182. 1969.
- PANDEYA, S. N. AND S. P. S. TEOTIA. Exploratory trial on few grass legume mixtures at Deochanda Experimental Station, D.V.C. *J. Soil Wat. Conserv. India* 13 : 28-35. 1965.
- PANIGRAHI, G. Studies in the monocot flora of Assam & North Western Frontier Agency. *Proc. nat. Acad. Sci. India* 35B : 357-366. 1965.
- Botanical tour in the Rajmahal hills of Bihar. *Bull. bot. Surv. India* 8 : 1-15. 1966.
- See RAJA GOPAL, T. AND G. PANIGRAHI. 1966 & 1967.
- , S. CHOWDHURY AND D. C. S. RAJU. Contribution to the botany of Orissa. *Bull. bot. Surv. India* 6 : 237-266. 1964.
- AND T. RAJA GOPAL. Studies in the flora of Allahabad. IV. Gramineae. I. *Proc. nat. Acad. Sci. India* 37B : 1-20. 1967.
- AND—Studies in the flora of Allahabad. VI. Family Gramineae III : Pooidae. *J. Indian bot. Soc.* 47 : 219-246. 1968.
- AND R. SARAN. Contribution to the botany of Allahabad district, U.P. *Bull. bot. Surv. India* 10 : 53-60. 1968.
- PANJE, R. R. Continuing problem of cane varieties in North India. *Sugarcane Herald* 6 : 15-20. 1963.
- PANSNER, L. E. See GRIGORIYEV, G. S. AND L. E. PANSNER. 1963.
- PANT, P. C. See GUHA, S. R. D. AND P. C. PANT. 1963.
- PATEL, R. I. Grasses of Gujarat State. *Indian For.* 91 : 309-340. 1965.
- PATEL, R. J. See CHAUHAN, J. G., G. L. SHAH AND R. J. PATEL. 1967.
- PATIL, B. D. Bekaria sheep grass for eastern Rajasthan. *Indian Fmg.* 16 : 37, 39, 41. 1966.
- AND R. GHOSH. Development of grasslands through improved strains. *Gosamvardhana* 11 : 20-23. 1964.
- , A. SINGH AND R. GHOSH. Intervarietal variation in persistency and aggressiveness in Anajan grass (*Cenchrus setigenus* Vahl) and the technique for its estimation. *Indian For.* 90 : 40-49. 1964.
- AND S. SINGH. Varietal variation and its possible values in anajan grass, pasture improvement. *Indian For.* 91 : 218-226. 1965.
- PATIL, R. P. Key to the genera of the common grasses of Lucknow and its environs. *Proc. Indian Acad. Sci.* 51B : 122-132. 1960.
- PATNAIK, N. See DALAL, S. S., N. PATNAIK AND B. SINGH. 1965.
- PATNAIK, H. AND P. C. TRIPATHY. On a collection of grasses & sedges from Ravenshaw College Campus, Cuttack. *Proc. Indian Sci. Cong.* III : 410. 1960.
- PAUL, A. K. See MAHAPATRA, C. S., J. GUHA, N. N. ROY AND A. K. PAUL. 1965.
- PAUL, S. R. Rice field weeds of District Bhagalpur, Bihar. *Proc. Bihar Acad. Agric. Sci.* 15 : 15-24. 1966.
- Studies on the grasses of Bhagalpur District (Bihar). *Indian For.* 93 : 169-179. 1967.
- See SRIVASTAVA, D. P., S. R. PAUL AND B. C. SINHA. 1966.
- PHIPPS, J. B. Studies in the Arundinelleae (Gramineae) I. Classification of the taxa occurring in the Rhodesias, Nyasaland, Bechuanaland & Mocambique. *Kirkia* 4 : 87-124. 1964.
- Studies in the Arundinelleae (Gramineae). II. A new species and two new genera. *Kirkia* 5 : 229-234. 1966.
- Studies in the Arundinelleae (Gramineae) III. Checklist and key to the genera. *Kirkia* 5 : 235-258. 1966.
- See LI, Y. H., R. A. LUBKE AND J. B. PHIPPS. 1966.
- PHIPPS, J. B. AND J. B. MAHON. Studies in the Arundinelleae (Gramineae). IX. Chromosome numbers of 21 species. *Canad. J. Bot.* 48 : 1419-1423. 1970.
- POHL, R. W. X *Elyhordeum iowense*, a new intergeneric hybrid in the Triticeae. *Brittonia* 18 : 250-254. 1966.
- POKHRIYAL, S. C. See PAL, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BOHL, R. N. SWANEY AND D. S. ARORA. 1963.

- PONNAIYA, B. W. X. See CHANDRA, M. J. AND B. W. X. PONNAIYA. 1963.
- See SREE RANGASWAMY, S. R. AND B. W. X. PONNAIYA. 1963.
- PORTER, R. J. JR. See FERRARIS, I. P., R. J. PORTER JR. AND T. R. ESCOBAR. 1965.
- PRABHAKARAN, T. AND K. ESWARANKUTTY. Study on the comparative economics and feeding worth of cultivation of rice and guinea grass. *Kerala Vet.* 2 : 79-84. 1963-64.
- PRADHAN, Y. D. AND Y. SATYANARAYAN. Vegetation of Manori and Madh islands in Bombay. *J. Bombay nat. Hist. Soc.* 62 : 32-37. 1965.
- PRAKASH, M. AND L. D. AHUJA. Studies on different range condition class grasslands in W. Rajasthan. *Ann. Arid Zone* 3 : 91-98. 1964.
- AND P. C. NANDA. Ecological distribution of natural fodder grasses in Western Rajasthan. *Indian For.* 87 : 10-19. 1961.
- PRASAD, B. N. Bamboo plantation in Dhalbhum tract of Singhbhum district of Bihar. *Indian For.* 91 : 10-21. 1965.
- PRATT, G. A. See BROWN, W. V. AND G. A. PRATT. 1960.
- See BROWN, W. V., G. A. PRATT AND H. M. MOBLEY. 1959.
- PRICE, S. Cytogenetics of modern Sugarcanes. *Econ. Bot.* 17 : 97. 1963.
- PURI, G. S. Fodder resources of Western India. *Gosamvardhana* 7 : 1-5. 1959.
- AND S. K. JAIN. Trees or grasslands in Rajasthan. *Indian For.* 86 : 85-86. 1960.
- , S. K. MUKHERJEE, S. SARUP AND N. KOTWAL. *Flora of Rajasthan. Rec. bot. Surv. India* 19 : 1-159. 1964.
- PURUSHOTHAM, A. Utilisation of bamboos. *J. Timb. Dyers' & Pres. Ass. India* 9 : 2-9. 1963.
- PURUSHOTHAMAN, G. See PALANISWAMY, K. M. AND G. PURUSHOTHAMAN. 1963.
- RABHA, L. C. See RAO, A. S. AND L. C. RABHA. 1966.
- RACHIE, K. O. See ATHWAL, D. S. AND K. O. RACHIE. 1963.
- , J. S. BAKSHI AND AMARJIT SINGH. Progress in Bajra improvement in India. *Proc. Indian Sci. Cong. III* : 423. 1965.
- RADHAKRISHNA MURTY, U. Cytogenetic studies in *Apluda mutica* Linn. & *Iseilema laxum* Hack. Thesis, Andhra Univ. Waltair. 1969.
- RAINA, V. Grazing lands in Himachal Pradesh. *Indian For.* 86 : 80-84. 1960.
- RAIZADA, M. B. Name changes in common Indian grasses. *Indian For.* 85 : 473-509. 1958.
- An overlooked species of *Chloris* (*C. priouri* Kunth) from India. *Indian For.* 85 : 335-336. 1959.
- A new species of *Sacciolepis* from Burma. *Indian For.* 85 : 575. 1959.
- See CHATTERJI, R. N. AND M. B. RAIZADA. 1963.
- , R. C. BHARADWAJ AND S. K. JAIN. Grasses of the Upper Gangetic Plain, I. *Indian For. Rec. (n.s.) Bot.* 4 : 171-277. 1961.
- AND R. N. CHATTERJI. An unrecorded Hierochloë [*H. odorata* (L.) Beauv.] from the Central Himalayas. *Indian For.* 88 : 428-430. 1962.
- AND—New Bamboo from South India. *Indian For.* 89 : 362-364. 1963.
- AND S. K. JAIN. First record of the genus *Dignathia* Stapf in India. *Indian For.* 87 : 426-428. 1961.
- AND—Grasses of the Upper Gangetic Plains-Paniceae. *Indian For. Rec. (n.s.) Bot.* 5 : 151-221. 1964.
- AND—Grasses of the Upper Gangetic Plains-Pooideae (synopsis). *Indian For.* 92 : 637-642. 1966.
- AND H. O. SAXENA. Additions to the flora of Mussoorie hills. *J. Bombay nat. Hist. Soc.* 64 : 75-92. 1967.
- RAJA GOPAL, T. See PANIGRAHI, G. AND T. RAJA GOPAL. 1967, 1968.
- AND G. PANIGRAHI. New records of species for flora of Allahabad. II. *Proc. nat. Acad. Sci.* 36B : 57-84. 1966.
- AND—Studies in the flora of Allahabad. V. Family Gramineae II. *Proc. nat. Acad. Sci.* 37B : 21-50. 1967.
- RAJU, D. C. S. Botanical observations in the Balimela project area, Orissa. *Bull. bot. Surv. India* 6 : 287-294. 1964.
- Studies on the flora of sacred groves near Shillong. *J. Assam Sci. Soc.* 7 : 21-30. 1964.
- Plants of Papihill in Andhra Pradesh. *Indian For.* 92 : 482-492. 1966.
- Vegetation and flora of Polavaram agency tracts. *Trop. Ecol.* 7 : 114-124. 1966.
- See PANIGRAHI, G., S. CHOWDHURY AND D. C. S. RAJU. 1964.
- RAMAKRISHNAN, P. S. Contributions to the ecological life history of *Setaria glauca* Beauv. *J. Indian bot. Soc.* 42 : 118-129. 1963.
- RAMALINGAM, C. See RAO, S. M. AND C. RAMALINGAM. 1964, 1965.
- RAMAM, S. S. Soil-root relationships in grasslands communities. Ph.D. Thesis, Banaras Hindu Univ. India. 1960.
- Serrinal roots of grasses. *Proc. nat. Acad. Sci. India* 31B : 405-410. 1961.
- Organisation of grass communities on Western and Vindhyan uplands of Varanasi district. *J. Indian bot. Soc.* 45 : 266-276. 1966.
- AND D. M. VERMA. Ecological perspective on grasslands. *Proc. nat. Acad. Sci.* 33B : 227-234. 1963.
- RAMAMURTHY, K. See SEBASTINE, K. M. AND K. RAMAMURTHY. 1966.
- RAMAN, V. S., D. KRISHNASWAMI AND M. K. NAIR. Studies on the progeny of autotetraploid *Pennisetum typhoides* Stapf & Hubb. *J. Indian bot. Soc.* 41 : 268-270. 1962.
- AND M. K. NAIR. Studies in the interspecific hybrid of *Pennisetum typhoides* × *P. purpureum* 8. Cytology of certain derivatives. *J. Indian bot. Soc.* 43 : 508-514. 1964.
- RAMANUJAM, G. L. AND SUSHIL KUMAR. Correlation studies in two populations of *Vetiveria*. *Indian J. Genet.* 23 : 82-89. 1963.
- RAMASASTRI, B. V. See RAO, P. S., C. M. JACOB AND B. V. RAMASASTRI. 1969.
- RAMASWAMY, K. P. See RAO, S. M. AND K. P. RAMASWAMY. 1965.
- RAMASWAMY, S. V. Some aspects of vegetation of Ramagiri and its immediate neighbourhood. *Bull. bot. Surv. India* 6 : 7-8. 1964.
- RAO, A. S. AND L. C. RABHA. Contribution to the botany of Kamrup district (Southern Part) Assam. *Bull. bot. Surv. India* 8 : 296-303. 1966.
- AND A. R. K. SASTRY. Account of the flowering plants of Indore district in Madhya Pradesh. *Bull. bot. Surv. India* 6 : 267-286. 1964.
- RAO, C. C. Ecological studies on a piece of watershed land. *Trop. Ecol.* 6 : 124-132. 1965.
- Herbaceous vegetation of the deforested river bank. *J. Indian bot. Soc.* 45 : 249-256. 1966.

- RAO, C. R. Plant collection in Eastern Nepal. *Indian For.* 93 : 41-60. 1967.
- RAO, K. R. Pencils from bamboo. *Indian For.* 86 : 566. 1960.
- Diaper from palmyra leaves. *Indian For.* 87 : 771. 1961.
- RAO, P. S. See TEWARI, M. C. AND P. S. RAO. 1965.
- , C. M. JACOB AND B. V. RAMASASTRI. The nutritive value of Bamboo seeds. *J. Nutr. & Diet.* 6 : 192. 1969.
- RAO, R. S. New plant records from India. *Curr. Sci.* 33 : 120-121. 1964.
- Observations on the vegetation of the Rampa and Gudum Agency tracts of the Eastern ghats. 2. *J. Bombay nat. Hist. Soc.* 61 : 303-329. 1964.
- See KANODIA, K. C. AND R. S. RAO. 1965.
- AND K. HEMADRI. New species of *Manisuris* L. (Poaceae) from Goa. *Bull. bot. Surv. India* 10 : 106-109. 1968.
- AND J. JOSEPH. Observations on the flora of Siang frontier division, North East Frontier Agency (NEFA). *Bull. bot. Surv. India* 7 : 138-161. 1965.
- AND K. C. KANODIA. Studies on the vegetation & flora of Jodhpur Division, Rajasthan State. *Ann. Arid Zone* 2 : 35-60. 1963.
- AND G. G. K. MURTHY. Notes on the vegetation of Tripura State. *J. Soc. Indian For.* 11 : 3-7. 1962.
- RAO, R. S. P. See NAIDU, V. K. AND R. S. P. RAO. 1967.
- RAO, S. MADHAVA. A note on the proliferation of spikelets in *Setaria sphacelata* Stapf & Hubbard. *Madras agric. J.* 48 : 64-66. 1961.
- AND C. RAMLINGAM. Studies on the flowering, seed formation and seed viability of Kikuya grass. *Pennisetum clandestinum* Hochst. *Madras agric. J.* 51 : 431-434. 1964.
- AND —Studies on Grasses with particular reference to their winter fodder production in the Nilgiris. *Madras agric. J.* 52 : 271-274. 1965.
- AND K. P. RAMASWAMY. Studies on grasses with special reference to their fodder production potential on contour bunds. *Madras agric. J.* 52 : 391-393. 1965.
- RAO, T. A. Observations on the flora of Bugyals (Alpine Grassy Meadows) of Martoli & Milam in Johar Patti, Almora District (U.P.). *Mem. Indian bot. Soc.* 3 : 5-8. 1960.
- Observations on the vegetation of Eastern Kumaon bordering the Nepal Frontier. *Bull. bot. Surv. India* 6 : 47-57. 1964.
- AND K. R. AGGARWAL. Ecological studies of Saurashtra Coast and neighbouring islands. 1. Diu Island. *Bull. bot. Surv. India* 6 : 173-183. 1964.
- , —, AND A. K. MUKHERJEE. Ecological studies on the soil and vegetation of Krusadi group of islands in the Gulf of Manaar. *Bull. bot. Surv. India* 5 : 141-148. 1963a.
- , —, AND —Ecological account of the vegetation of Rameswaram island. *Bull. bot. Surv. India* 5 : 301-323. 1963b.
- , L. K. BANERJEE AND A. K. MUKHERJEE. Some interesting plant records for Orissa coast. *J. Bombay nat. Hist. Soc.* 66 : 659-660. 1970.
- AND B. C. KORLAHALLI. Some interesting plants from the Saurashtra coast. *J. Bombay nat. Hist. Soc.* 65 : 585-586. 1967.
- AND A. K. MUKHERJEE. Distribution of some plants along Midnapur coast in West Bengal. *Curr. Sci.* 34 : 589-590. 1965.
- , —, AND L. K. BANERJEE. Some plant records for West Bengal. *Sci. & Cult.* 33 : 125. 1967.
- RAO, T. N. V. RAMANA. Chromosome numbers of some Indian grasses. *Curr. Sci.* 31 : 476-477. 1962.
- RAO, T. R. *Taxonomical and ecological study of the flora of Saugar*. Thesis, Saugar Univ., Saugar. 1966.
- RAO, THULJARAM AND R. NARASIMHAN. Recent currents in sugarcane breeding. *Indian Sug.* 13 : 135-137. 1963.
- RAO, V. M. See KAUL, S. N. AND V. M. RAO. 1961.
- RAO, V. S. Bamboo in Japan. *Indian For.* 89 : 383-385. 1963.
- RATH, G. C. See MISRO, B. AND G. C. RATH. 1961.
- RATNASWAMY, M. CHARLES. Cytoplasmic inheritance of variegation in bajra, the pearl millet (*Pennisetum typhoides* Stapf & Hubb.) *Madras agric. J.* 47 : 109-117. 1960.
- Development of spikelets—A new Mendelian character in the Italian millet (*Setaria italica* Beauv.) *Madras agric. J.* 48 : 25-27. 1961.
- Proliferation of spikelets in the Italian millet (*Setaria italica* Beauv.) *Madras agric. J.* 48 : 397. 1961.
- Note on a spikeletless mutant in the Italian Millet. *Madras agric. J.* 50 : 201. 1963.
- RATTARY, J. M. *The grass cover of Africa*. *FAO Agric. Stud.* 49 : 1960.
- RAWAT, A. S. See CHACKO, V. J., A. S. RAWAT, P. C. DAVE AND S. SINGH. 1965.
- RAWAT, B. S. See SEKHAR, A. C., B. S. RAWAT AND B. K. BHARTARI. 1962.
- RAWAT, M. S. See SEKHAR, A. C. AND M. S. RAWAT. 1964.
- REDDI, B. V. See HEMADRI, K. AND B. V. REDDI. 1967.
- REDDY, P. S. AND R. D'CRUZ. Cytomorphological studies on *Dichanthium annulatum* × *D. aristatum*. *Indian J. Genet.* 27 : 401-410. 1967.
- Cytomorphological studies in the interspecific hybrids of *Dichanthium* Willem. II. *D. annulatum* (Forsk.) Stapf × *D. caricum* (Linn.) A. Camus. *J. Indian bot. Soc.* 47 : 271-277. 1968.
- REEDER, J. R. The embryo in grass systematics. *Amer. J. Bot.* 44 : 756-768. 1956.
- The bambusoid embryo : a reappraisal. *Amer. J. Bot.* 49 : 639-641. 1962.
- REGE, N. D. Role of grasses in soil conservation. *J. Soil & Water Conserv. India* 7 : 77-78. 1959.
- See GUPTA, S. C., S. CHINNAMANI AND N. D. REGE. 1967.
- See GUPTA, S. C. AND N. D. REGE. 1965.
- REITZ, L. P. See BRIGGLE, L. W. AND L. P. REITZ. 1963.
- RELWANI, L. L. AND R. K. BAGGA. Dina (*Pennisetum pedicellatum*) a new fodder that threatens to elbow out Jowar & Bajara. *Indian Dairym.* 20 : 199-200. 1968.
- RENOUZE, S. A. The Afro-Asian species of *Enneapogon* P. Beauv. *Kew Bull.* 22 : 393-402. 1968.
- Studies in the Gramineae. 18. *Kew Bull.* 22 : 481-488. 1968.
- RICHARIA, R. H. Origins of cultivated Rices. *Indian J. Genet.* 20 : 1-14. 1960.
- See MISRA, O. B., R. SEETHARAN AND R. H. RICHARIA. 1961.
- See ROY, J. K. AND R. H. RICHARIA. 1967.
- AND M. J. BALAKRISHNA RAO. Clonal propagation of rice and its potentiality. 2. *Indian Agric.* 6 : 83-88. 1962.
- ROMINGER, J. M. *Taxonomy of Setaria (Gramineae) in North America*. Illinois Biol. Monogr. 29, Urbana. 1962.
- ROY, B. See HENRY, A. N. AND B. ROY. 1968.
- ROY, J. K. AND RICHARIA, R. H. Anatomical studies in the genus *Oryza*. III. *Indian J. Genet.* 27 : 101-106. 1967.

- ROY, KUM KUM. Epidermal studies on some species of the genus *Eragrostis* P. Beauv. *Curr. Sci.* 32 : 269-271. 1963.
- *Eragrostis*. *Bull. nat. bot. Gdns.* No. 90 : 1-26. 1964.
- Basic chromosome number in *Eragrostis*. *Curr. Sci.* 34 : 384. 1965.
- ROY, N. N. See MAHAPATRA, C. S., J. GUHA, N. N. ROY AND A. K. PAUL. 1965.
- ROY, R. P., A. P. SINGH AND P. K. GUPTA. A new chromosome race in *Heteropogon contortus*. *Curr. Sci.* 34 : 190. 1965.
- SABNIS, S. D. See CHAVAN, A. R. AND S. D. SABNIS. 1960.
- See THAKER, D. N., S. D. SABNIS AND S. J. S. BEDI. 1968.
- SAGREIYA, K. P. AND B. SINGH. Botanical and standardized Hindi names of important and common forest plants of Madhya Pradesh. *For. Bull.* 1. Gwalior. 1959.
- SAHA, B. Morphology of the ligule and sickle of *Oryza sativa* L. *Bull. bot. Soc. Bengal* 6 : 49-52. 1962.
- Vascular morphology of inflorescence of rice plant (*Oryza sativa* L.) *Proc. nat. Inst. Sci. India* 13B : 202-218. 1965.
- SAHADEVAN, P. C. See NAIR, N. R., N. M. NAYAR AND P. C. SAHADEVAN. 1964.
- AND K. M. N. NARAYAN. Natural crossing in rice. *Proc. Indian Acad. Sci.* 58B : 176-185. 1963.
- SAHA, R. AND A. B. SINHA. A supplement to the aquatic and swampy vegetation of Gorakhpur. *Indian For.* 94 : 819. 1968.
- SAMATHURAM, K. See VENKATARAMAN, K. AND K. SAMATHURAM. 1963.
- SAMPATH, S. Notes on the taxonomy of the genus *Oryza*. *Bot. Mag.* 74 : 269-270. 1961.
- The genus *Oryza* : an evolutionary perspective. *Oryza*. 3 : 30-34. 1966.
- See GOPALAKRISHNAN, R. AND S. SAMPATH. 1968.
- See HAKIM, K. L. AND S. SAMPATH. 1968.
- AND M. D. SUBRAMANYAM. The taxonomy of a wild *Oryza* species from Ceylon. *Oryza*. 5 : 75-76. 1968.
- SANKAR, VINOD. Weeds of paddy fields of Varanasi district. *J. sci. Res. Banaras Hindu Univ.* 16 : 139-145. 1965-66.
- SANKARAN, S. AND R. APPATHURAI. Axillary panicles in *Setaria italica* Beauv. *Madras agric. J.* 49 : 352. 1962.
- SANT, H. R. Ecological studies with special reference to reproductive capacity in relation to grazing of *Eragrostis gangetica* Steud. *J. biol. Sci.* 7 : 30-41. 1964.
- Ecological studies with special reference to reproductive capacity in relation to grazing of *Panicum psilopodium* Trin. *J. Indian bot. Soc.* 43 : 476-486. 1964.
- Effect of grazing on three grasses and five forbs growing on the grounds of Banaras Hindu University. *Proc. nat. Acad. Sci.* 34B : 256-259. 1964.
- Ecological studies with special reference to reproductive capacity in relation to grazing of *Dactyloctenium aegyptium* Beauv. *Proc. nat. Inst. Sci.* 30B : 36-46. 1964.
- Ecological studies in *Dichanthium annulatum* Stapf with special reference to reproductive capacity in relation to grazing. *Proc. nat. Inst. Sci.* 30B : 354-372. 1964.
- Vegetative reproductive capacity of *Cynodon dactylon* Pers. in relation to biotic disturbances. *Sci. & Cult.* 31 : 191-193. 1965.
- Ecological studies in *Paspalidium flavidum* A. Camus in relation to grazing from grazing grounds of Banaras Hindu University. *Proc. nat. Acad. Sci.* 37B : 123-130. 1967.
- SANTAPAU, H. Gregarious flowering of *Strobilanthes* and bamboos. *J. Bombay nat. Hist. Soc.* 59 : 688-695. 1962.
- AND G. L. SHAH. Additions to the flora of Bombay State. Grasses from Salsette Island (Malad Madh area). *J. Bombay nat. Hist. Soc.* 60 : 134-139. 1963.
- AND — Further contributions to the botany of Dangs Forest, Gujarat. *J. Bombay nat. Hist. Soc.* 62 : 201-210. 1965.
- AND — A contribution to the flora of Salsette Island, Bombay (Malad-Madh area). *J. Bombay nat. Hist. Soc.* 66 : 430-442. 1970.
- SANTOS, F. I. See PANCHU, J. V., M. M. GUANTES AND F. I. SANTOS. 1963.
- SARAN, R. See PANIGRAHI, G. AND R. SARAN. 1968.
- SARIN, Y. K. See DUTTA, A. K., Y. K. SARIN AND L. D. KAPOOR. 1964.
- SARKAR, K. K. Photoperiodic behaviour of a wild variety of rice. *Sci. & Cult.* 25 : 540-541. 1960.
- SARKAR, S. See DESHPANDE, B. D. AND S. SARKAR. 1962.
- SARMA, C. B. S. R. Study of grasses and sedges of certain areas in Jhunjhunu District, Rajasthan. *Proc. Indian Sci. Cong.* III : 338. 1967.
- See JOSHI, M. G. AND C. B. S. R. SARMA. 1964, 1966.
- SARUP, S. See PURI, G. S., S. K. JAIN, S. K. MUKHERJEE, S. SARUP AND N. KOTWAL. 1964.
- SATYANARAYAN, Y. See BHIMAYA, C. P., A. CHERIAN AND Y. SATYANARAYAN. 1964.
- See PRADHAN, Y. D. AND Y. SATYANARAYAN. 1965.
- See SHANKARNARAYAN, K. A. AND Y. SATYANARAYAN. 1964.
- AND K. A. SHANKARNARAYAN. Vegetation of Bellary district, Mysore State. *Ann. Arid Zone* 2 : 123-149. 1964.
- SATYAVATHI, U. See UPPULURI, M. R. AND U. SATYAVATHI. 1968.
- SAVUR, R. M. Fodder problem in India—a suggested solution. *Madras agric. J.* 48 : 14-19. 1961.
- SAXENA, H. O. See RAIZADA, M. B. AND H. O. SAXENA. 1967.
- SAXENA, S. K. See GUPTA, R. K. AND S. K. SAXENA. 1966.
- SCHULZ-SCHAEFFER, J. AND P. JURASIT. Biosystematic investigations in the genus *Agropyron*. *Amer. J. Bot.* 49 : 940. 1962.
- SCOTT, B. D. See DE WET J. M. J. AND B. D. SCOTT. 1965.
- SEBASTINE, K. M. AND N. P. BALAKRISHNAN. A contribution to the flora of north-eastern Madhya Pradesh. Pts. I, II, III. *Indian For.* 89 : 487, 522, 612. 1963.
- AND K. RAMAMURTHY. Additions to the flora of the Presidency of Madras II. *Bull. bot. Surv. India* 8 : 80-81. 1966.
- SEETHARAMAN, R. Inheritance of certain characters in rice. *Curr. Sci.* 34 : 222. 1965.
- See MISRA, O. B., R. SEETHARAMAN AND R. H. RICHARIA. 1961.
- SEKHAR, A. C. See BHARTARI, B. K. AND A. C. SEKHAR. 1961.
- , B. S. RAWAT AND B. K. BHARTARI. Strength Bamboos : *Bambusa nutans*. *Indian For.* 88 : 67-73. 1962.
- AND M. S. RAWAT. Some studies on the shrinkage of *Bambusa nutans*. *Indian For.* 90 : 182-188. 1964.
- SEN, D. N. Systematics and ecology of Indian Plants. 1. On the rainy season weeds of Gorakhpur. *J. Bombay nat. Hist. Soc.* 57 : 144-172. 1960.
- SEN, J. AND J. N. NASKAR. Non-herbaceous phanerogams of the Indian Botanic Garden, Calcutta. *Bull. bot. Surv. India* 7 : 31-61. 1965.

- SENARATNA, J. E. *The Grasses of Ceylon*, Colombo. 1956.
- SEN GUPTA, S. P. See HARLAN, J. R., W. W. HUFFIRE, J. M. J. DE WET AND S. P. SEN GUPTA. 1964.
- SENN, H. A. See GILLET, J. M. AND H. A. SENN. 1961.
- SETHI, H. See BADHWAR, R. L., R. M. BERI, G. V. KARIRA AND H. SETHI. 1962.
- SHAH, G. L. Name changes of some common Bombay plants. *J. Univ. Bombay* 30 : 31-41. 1962.
- Enumeration of plants from Broach, Gujarat. Vegetation of river bed. *J. Bombay nat. Hist. Soc.* 61 : 254-263. 1964.
- Preliminary contribution to the flora of Rajpipla Forests in Gujarat State. *Indian For.* 93 : 672-676. 1967.
- A contribution to the flora of Salsette Island, Bombay (Malad-Madh area). 1. Monocotyledons. *J. Univ. Bombay (Sci.)* 39 : 83-98. 1970.
- See CHAUHAN, J. G., G. L. SHAH AND R. J. PATEL. 1967.
- AND M. B. DESHPANDE. A contribution to the flora of Tuwa in Panchmahal district, Gujarat. *Bull. bot. Surv. India* 11 : 277-285. 1969.
- AND B. SURYANARAYANA. Further contribution to the flora of Dang forest in Gujarat. *Bull. bot. Surv. India* 11 : 290-300. 1969.
- SHAH, N. C. Flowering of the Bamboo, *Dendrocalamus hookeri* and *strictus* in Assam and Bihar State. *Indian For.* 94 : 717. 1968.
- SHAMBULINGAPPA, K. G. See MAGOON, M. L. AND K. G. SHAMBULINGAPPA. 1961 & 1963.
- AND M. L. MAGOON. Cytomorphological studies in the genus *Sorghum*. *Indian J. Genet.* 23 : 275-289. 1963.
- SHANKAR, J. V. AND F. R. BHARUCHA. Chemical composition of grasses in a hilly grassland of Bombay. *Indian J. agric. Sci.* 32 : 9-13. 1962.
- SHANKARNARAYAN, K. A. Vegetation of Tirunelveli district. *J. Indian bot. Soc.* 39 : 474-479. 1960.
- Parallelism between grassland and forest types of Bellary district. *Ann. Arid Zone* 1 : 132-141. 1963.
- See SATYANARAYAN, Y. AND K. A. SHANKARNARAYAN. 1964.
- A. CHERIAN AND Y. D. GAUR. Ecology of dune vegetation at Osian (Rajasthan). *J. Indian bot. Soc.* 44 : 37-50. 1965.
- AND M. V. DABHOLKAR. Studies on the vegetation of Salem District. *Indian For.* 85 : 577-580. 1959.
- AND R. K. GUPTA. The vegetation of Coimbatore District. *Indian For.* 85 : 533-541. 1959.
- AND Y. SATYANARAYAN. Grazing resources of Rajasthan (Grassland types of alluvial plains). *Indian For.* 90 : 436-441. 1964.
- SHANTHAMMA, C. See NARAYAN, K. N. AND C. SHANTHAMMA. 1968.
- SHARMA, B. M. Composition and structure of plant communities of Churu, Rajasthan. *Trop. Ecol.* 6 : 106-123. 1965.
- SHARMA, M. Contributions to the palynology of Indian monocotyledons. *J. Agra Univ. Res. (Sci.)* 16 : 43-47. 1967.
- SHARMA, P. C. See TRIVEDI, B. S. AND P. C. SHARMA. 1965.
- SHARMA, S. D. AND S. V. S. SHASTRY. Taxonomic studies in genus *Oryza* Linn. II. Some nomenclatural confusions. *Bull. bot. Surv. India* 6 : 211-218. 1964.
- AND—Taxonomic studies in the genus *Oryza*. IV. The Ceylonese species aff. *O. officinalis*. *Indian J. Genet.* 25 : 168-172. 1965a.
- AND—Taxonomic studies of the genus *Oryza* L. VI. *Indian J. Genet.* 25 : 173-178. 1965b.
- AND—Taxonomic studies in genus *Oryza* I. Asiatic types of *sativa* complex. *Indian J. Genet.* 25 : 245-259. 1965c.
- AND—Taxonomic studies in genus *Oryza* V. *Bull. bot. Surv. India* 8 : 42-44. 1966.
- SHARMA, V. S. The flora of Ajmer (Rajasthan). 1. A list of trees, shrubs and woody climbers. *J. Bombay nat. Hist. Soc.* 55 : 129-141. 1958.
- SHARMA, Y. K. See GUHA, S. R. D. AND Y. K. SHARMA. 1968.
- SHASTRY, A. R. K. See RAO, A. S. AND A. R. K. SHASTRY. 1964.
- SHASTRY, N. S. AND M. D. SUBRAMANYAM. Application of Biometrical technique of taxonomy of *Oryza*. 1. Discrimination between *O. eichiengeri*, *O. officinalis* & *O. minuta*. *Oryza* 3 : 58-70. 1966.
- SHASTRY, S. V. S. See GOPALAKRISHNAN, R. AND S. V. S. SHASTRY. 1965.
- See SHARMA, S. D. AND S. V. S. SHASTRY. 1964, 1965a, b, c, 1966.
- SHETTY, B. V. See THOTHATHRI, K., B. V. SHETTY AND P. K. HAZRA. 1966.
- SINDHE, A. N. R. Cytological studies in some Indian grasses. *Proc. Indian Sci. Congr.* III : 397-398. 1967.
- See NARAYAN, K. N. AND A. N. R. SINDHE. 1968.
- SINGH, A. P. See ROY, R. P., A. P. SINGH AND P. K. GUPTA. 1965.
- SINGH, AMAR. See MEHTA, R. K., AMAR SINGH AND R. GHOSE. 1965.
- See PATIL, B. D., AMAR SINGH AND R. GHOSE. 1964.
- SINGH, AMARJIT. See RACHIE, K. O., J. S. BAKSHI AND AMARJIT SINGH. 1965.
- SINGH, B. See DALAL, S. S., N. PATNAIK AND B. SINGH. 1965.
- See GUPTA, R. S., M. KHYBRI AND B. SINGH. 1963.
- See SAGREIYA, K. P. AND B. SINGH. 1959.
- N. L. DHAWAN, E. W. SPRAGUE, R. L. PALIWAL AND S. M. VAIDYA. New sweet maize hybrids for the northern plains. *Curr. Sci.* 32 : 102-103. 1963.
- SINGH, D. N. Cytological studies in the Gramineae. III. *Sci. & Cult.* 30 : 396-397. 1964.
- Apomixis in *Paspalum*. 1. *Paspalum dilatatum* Poir. *Proc. nat. Acad. Sci.* 35B : 229-237. 1965.
- Classification of Gramineae in relation to Cytology. *Adv. Front. Pl. Sci.* 17 : 197-203. 1966.
- SINGH, FOJA. Basic chromosome number in *Cymbopogon caestus* (Nees) Stapf. *Curr. Sci.* 35 : 418-419. 1966.
- SINGH, HARDEV. Gall induction on *Cynodon dactylon* by *Ustilago*. *Curr. Sci.* 34 : 159-160. 1965.
- SINGH, J. S. Distribution and uniform culture of *Eleusine indica* (L.) Gaertn. *Ann. Rep. Ecol. (PL. 480)* : 49-54, Univ. Varanasi. 1966.
- Growth of Goosegrass in relation to certain environmental factors. *Trop. Ecol.* 9 : 78-87. 1968.
- AND R. MISRA. Efficiency of energy capture by the grassland vegetation at Varanasi. *Curr. Sci.* 20 : 636-637. 1968.
- AND K. MITRA. Ecological observations along the river banks at Allahabad, U.P. *Bull. bot. Surv. India* 6 : 137-140. 1964.
- AND D. M. VERMA. A contribution to the forest botany of the Angul division in Orissa State. *J. Sci. Res. Banaras Hindu Univ.* 14 : 223-232. 1964.

- SINGH, M. M. AND KUMAR KRISHNAN. Production of chemical pulps from Mawai grass (*Pennisetum hohenackeri* Hochst. ex Steud.). *Indian For.* 91 : 821. 1965.
- SINGH, M. P. AND M. S. SWAMINATHAN. Monosomic analysis in Wheat. V. Identification of chromosomes carrying genes for resistance to two races of stem rust in the variety N.P. 790. *Indian J. Genet.* 20 : 160-165. 1960.
- SINGH, R. D. See CHATTERJEE, B. N. AND R. D. SINGH. 1966.
- AND B. N. CHATTERJEE. Growth analysis of perennial grasses in tropical India. 1. Herbage growth in pure grass swards. *Expl. Agric.* 4 : 117-125. 1968.
- SINGH, R. P. Para grass. *Allahabad Fmr.* 40 : 157-162. 1966.
- See MAN SINGH AND R. P. SINGH. 1961.
- SINGH, RAMINDER. Rosha grass cultivation in Dehra Dun forests. *Indian For.* 86 : 231-236. 1960.
- SINGH, RANBIR. Grassland in Desert Control. *J. Soil & Water Cons. India* 7 : 98-100. 1959.
- SINGH, S. See CHACKO, V. J., A. S. RAWAT, P. C. DAVE AND S. SINGH. 1965.
- SINGH, SEWA. See PATIL, B. D. AND SEWA SINGH. 1965.
- SINGH, SUKDEV AND R. S. KANWAR. Successful cultivation of sugarcane in Punjab. *Sugarc. Herald.* 6 : 1-5. 1964.
- SINGH, V. Flora of Meerut College Campus. *Agra Univ. J. Res. (Sci.)* 12 : 139-154. 1963.
- See MURTY, Y. S. AND V. SINGH. 1960, 1961a, b.
- See SINGH, U. AND V. SINGH. 1968.
- SINGH, U. AND V. SINGH. Grasses of Sardhana. *Indian For.* 94 : 397. 1968.
- SINGH, B. C. See SRIVASTAVA D. P., S. R. PAUL AND B. C. SINHA. 1966.
- SINHA, D. N. Gregarious flowering of bamboo. *Indian For.* 94 : 210. 1968.
- SINHA, R. L. An excursion to Milam Glacier. *Indian For.* 90 : 809-818. 1964.
- SINSKAYA, E. N. Speciation and the origin of forms in the genus *Dactylis*. *Bot. Zh.* 49 : 177. 1964.
- SIVAGNANAM, L. Extra-axillary digitate spike in *Eleusine coracana* Gaertn. *Madras agric. J.* 47 : 329. 1960.
- Rachis branching in the "Finger millet" *Eleusine coracana* Gaertn. (Ragi). *Madras agric. J.* 48 : 221-222. 1961.
- See SUBRAMANIAN, A., K. MEENAKSHI, L. SIVAGNANAM AND M. S. THANGAM. 1962.
- See SUNDARAMURTHI, V. T. AND L. SIVAGNANAM. 1965.
- , M. S. THANGAM AND K. MEENAKSHI. Abnormalities in *Sorghum* panicle. *Madras agric. J.* 48 : 267-268. 1961.
- SIVARAMAKRISHNAIAH, M. See NARASIMHA MURTHY, B. L. AND M. SIVARAMAKRISHNAIAH. 1963.
- SMITH, D. Classification of several native North American grasses as starch or fructosan accumulators in relation to taxonomy. *J. Brit. Grass. Soc.* 23 : 306-309. 1968.
- SNOWDEN, J. D. The wild fodder *Sorghums* of the section *Eusorghum*. *J. Linn. Soc. (Bot.)* 55 : 191-260. 1955.
- SODERSTROM, T. R. Taxonomic study of subgenus *Podosemum* and section *Epicampes* of *Muhlenbergia* (Gramineae). *Contr. U. S. nat. Herb.* 34 : 74-189. 1967.
- SOMERS, Y. See AUQUIER, P. AND Y. SOMERS. 1967.
- SPRAGUE, E. W. See SINGH, B., N. L. DHAWAN, E. W. SPRAGUE, R. L. PALIWAL AND S. M. VAIDYA. 1963.
- SREE RANGASWAMY, S. R., AND B. W. X. PONNAIYA. A trispecific hybrid in *Pennisetum* Rich. (*Pennisetum typhoides* × *P. purpureum*) × *P. squamulatum*. *Madras agric. J.* 50 : 239-241. 1963.
- SRINIVASAN, K. S. Aspects of vegetation of Church Island off Tuticorin port in South India. *J. Bombay nat. Hist. Soc.* 57 : 348-353. 1960.
- AND G. V. SUBBA RAO. Flora of Parlakimedi and its immediate neighbourhood. 2. *J. Bombay nat. Hist. Soc.* 58 : 407-419. 1961.
- SRINIVASAN, V. Abnormalities in leaf development in Cumba (*Pennisetum typhoides* Stapf & Hubb.) *Madras agric. J.* 49 : 195. 1962.
- See ANNAMALAI, P., J. CHANDRA MOHAN AND V. SRINIVASAN. 1962.
- See SWAMINATHAN, R., V. SRINIVASAN AND K. M. BALASUBRAMANIAN. 1963.
- See VEERASWAMY, R. AND V. SRINIVASAN. 1962.
- SRIVASTAVA, D. P., S. R. PAUL AND B. C. SINHA. Weeds of wheat fields in Bihar. *Proc. Bihar Acad. agric. Sci.* 15 : 1-10. 1966.
- SRIVASTAVA, J. G. A note on the flora of Mirzapur. *J. Bombay nat. Hist. Soc.* 53 : 157-158. 1955.
- Some recently introduced wild grasses of Bihar. *J. Indian bot. Soc.* 40 : 465-472. 1961.
- Forty-seven more grasses from Lucknow. *J. Bombay nat. Hist. Soc.* 60 : 484-488. 1963.
- SRIVASTAVA, T. N. See DIXIT, S. N. AND T. N. SRIVASTAVA. 1968.
- See DIXIT, S. N., S. D. VERMA AND T. N. SRIVASTAVA. 1966.
- STANDT, G. The origin of cultivated barleys. *Econ. Bot.* 15 : 205-212. 1961.
- STEBBINS, G. L. Cytogenetics & evolution of the grass family. *Amer. J. Bot.* 43 : 890-905. 1956.
- AND B. CROMPTON. A suggested revision of grass genera of temperate North America. IX. *Int. bot. Congr.* (1959). 1 : 133-145. 1961.
- STEWART, D. R. M. Stalked glandular hairs in the *Pappophoreae* (Gramineae). *Ann. Bot.* 28 : 565-567. 1964.
- STEWART, R. R. Grasses of Kashmir. *Bull. bot. Surv. India* 9 : 114-133. 1967.
- SUBBARAO G. V. See SRINIVASAN, K. S. AND G. V. SUBBARAO. 1961.
- SUBBARAO, T. V. Bamboo and its utilization. *Indian For.* 92 : 186-190. 1966.
- SUBRAMANIAN, A., K. MEENAKSHI, L. SIVAGNANAM AND M. S. THANGAM. Studies on heterosis in *Sorghum*. *Madras agric. J.* 49 : 84-86. 1962.
- , —AND M. S. THANGAM. Preliminary studies on the relationship between *Sorghum* population and yield. *Madras agric. J.* 47 : 398-400. 1960.
- SUBRAMANIAN, K. N. Further contribution to the flora of Boluvampatti valley forests, Coimbatore district. Madras State. *Indian For.* 92 : 39-50. 1966.
- SUBRAMANIAN, SUKANYA. Proliferation in Rice. *Madras agric. J.* 52 : 290. 1965.
- SUBRAMANYAM, K. AND A. N. HENRY. A contribution to the flora of Alagar Hills, Karandamalais and surroundings regions in Madurai district, Madras State. *J. Indian bot. Soc.* 38 : 493-527. 1959.
- On a collection of plants from Javadi Hills, North Arcot District, Madras State. *Indian For.* 93 : 507-518. 1967.

- SUBRAMANYAM, M. D. See SHASTRY, N. S. AND M. D. SUBRAMANYAM, 1966.
- See SAMPATH, S. AND M. D. SUBRAMANYAM, 1968.
- SUNDARAMURTHI, V. T. AND L. SIVAGNAM. Floral abnormalities in *Pennisetum typhoides* Stapf & Hubb. *Madras agric. J.* 52: 325. 1965.
- SUNDARARAJ, D. DANIEL AND M. NAGARAJAN. The flora of Hara & Church Islands off Tuticorin. *J. Bombay nat. Hist. Soc.* 61: 587. 1964.
- SURESH, S. Earhead fingering in *Pennisetum typhoides* Stapf & Hubb. *Madras agric. J.* 49: 417. 1962.
- SURKOV, V. A. The autogenesis and the morphological nature of flower parts in the Gramineae. *Bot. Zh.* 46: 1134-1143. 1961.
- SURYANARAYANA, B. See SHAH, G. L. AND B. SURYANARAYANA, 1969.
- SUVOROVA, T. N. Types of shoots in Gramineae. *Bot. Zh.* 46: 208. 1961.
- SWAMINATHAN, M. S. See NATH, J., M. S. SWAMINATHAN AND K. L. MEHRA, 1970.
- See SINGH, M. P. AND M. S. SWAMINATHAN, 1960.
- SWAMINATHAN, R., V. SRINIVASAN AND K. M. BALASUBRAMANIAN. Multiple branching of panicle in rice. *Madras agric. J.* 50: 370. 1963.
- SWANEY, R. N. See PAL, B. P., S. P. KOHLI, J. S. BAKSHI, M. AHLUWALIA, S. C. POKHRIYAL, P. N. BAHL, R. N. SWANEY AND D. S. ARORA, 1963.
- TADASHI, FUJII. Studies on photoperiodic responses involved in the germination of *Eragrostis* seeds. *Bot. Mag.* 75: 56-62. 1962.
- AND SIGEO ISIKAWA. Effect of after-ripening on photoperiodic control of seed germination in *Eragrostis ferruginea* Beauv. *Bot. Mag.* 75: 296-301. 1962.
- TAKAGI, T. Lodicules of some Japanese bamboos. *J. Jap. bot.* 39: 1-5. 1964.
- See TATEOKA, T. AND T. TAKAGI, 1967.
- TANDON, S. L. See MAHESHWARI, P. AND S. L. TANDON, 1959.
- TATEOKA, T. Chromosomes of five Indian and Ceylonese grass species. *Curr. Sci.* 28: 78-79. 1959.
- Cytology in grass systematics: a critical review. *The Nucleus* 3: 81-110. 1960.
- Notes on some grasses X. Some thoughts on Festuceae, Festucinae with special reference to their morphology. *Canad. J. Bot.* 38: 951-967. 1960.
- Biosystematic study of *Tridens* (Gramineae). *Amer. J. Bot.* 48: 565. 1961.
- Notes on some grasses. XI. Leaf structure of *Eriachne*. *Bull. Torr. bot. Club.* 88: 11-20. 1961.
- Notes on some grasses. XIV. Enumeration of genera of Festuceae. *Bot. Mag.* 75: 336-343. 1962.
- Starch grains of endosperm in Grass systematics. *Bot. Mag.* 75: 377-383. 1962.
- Taxonomic studies of *Oryza*. I. *O. latifolia* complex. II. Several species complexes. *Bot. Mag.* 75: 418-427, 455-461. 1962.
- Taxonomic studies of *Oryza* III. Key to the species and their enumeration. *Bot. Mag.* 76: 165-173. 1962.
- Notes on some grasses. XIII. Relationship between Oryzeae and Ehrharteae with special reference to leaf anatomy and histology. *Bot. Gaz.* 124: 264-270. 1963.
- Notes on some grasses XVI. Embryo structure of the genus *Oryza* in relation to the systematics. *Amer. J. Bot.* 51: 539. 1964.
- A taxonomic study of *Oryza eichingeri* and *O. punctata*. *Bot. Mag.* 78: 156-163. 1965.
- Taxonomy and chromosome numbers of African representatives of the *Oryza officinalis* complex. *Bot. Mag.* 78: 198-201. 1965.
- Lodicules of the Tribes Ehrharteae and Aristideae (Gramineae). *Bull. nation. Sci. Mus.* 10: 443-453. 1967.
- Phytogeographical notes on the genus *Brachypodium* P. Beauv. (Gramineae) *Bull. Soc. Argentina Bot.* 12: 44-56. 1968.
- A Symposium on grass systematics in Kobe, Japan. *Taxon* 18: 263-268. 1969.
- AND V. J. PANCHO. A cytotaxonomic study of *Oryza minuta* & *O. officinalis*. *Bot. Mag.* 76: 366-373. 1963.
- AND T. TAKAGI. Notes on some Grasses XIX. Systematic significance of Microhairs of lodicule epidermis. *Bot. Mag.* 80: 394-403. 1967.
- TEOTIA, S. P. S. See PANDEY, S. N. AND S. P. S. TEOTIA, 1965.
- TERRELL, E. E. Meadow Fescue: *Festuca elatior* L. or *F. pratensis* Hudson. *Brittonia*. 19: 129-132. 1967.
- TEWARI, A. K. Rough pastures of Jaunsar Himalayas. *Indian geogr. J.* 40: 20-24. 1965.
- TEWARI, M. C. AND P. S. RAO. Behaviour of Bamboo in powder form, when treated with wood preserving chemicals. *Indian For.* 91: 815. 1965.
- THACKER, D. N., S. D. SABNIS AND S. J. S. BEDI. A contribution to the flora and vegetation of Chhotaudepur range, Gujarat State, India. *J. Sayaji. Univ. Baroda* 17: 83-100. 1968.
- THAMPI, C. J. See BHATTEE, S. S. AND C. J. THAMPI, 1963.
- THANGAM, M. S. See SIVAGNAM, L., M. S. THANGAM AND K. MEENAKSHI, 1961.
- See SUBRAMANIAN, A., K. MEENAKSHI, L. SIVAGNAM AND M. S. THANGAM, 1962.
- See SUBRAMANIAN, A., K. MEENAKSHI AND M. S. THANGAM, 1960.
- THANGAVELU, S. AND V. DURAIRAJ. Antherless *Sorghum*. *Madras agric. J.* 52: 31-32. 1965.
- THOMAS, C. A. Gajraj a nutritious fodder with a future. *Farm. J.* 5: 16-18. 1964.
- THOMAS, T. A. —See NAIR, N. C., K. C. KANODIA AND T. A. THOMAS, 1961.
- THOTHATHRI, K. Flora of the Nagarjunakonda valley and the surrounding hills. *Indian For.* 90: 539-546. 1964.
- B. V. SHETTY AND P. K. HAZRA. A contribution to the flora of Udaipur forests in Champaran district, North Bihar. *Bull. bot. Surv. India* 8: 133-141. 1966.
- THULASIDAS, G. See KRISHNASWAMI, S. AND G. THULASIDAS, 1961.
- TIKU, S. N. See WALI, M. K. AND S. N. TIKU, 1964.
- TIWARI, S. D. N. The grasses of Madhya Pradesh. *Indian For.* 80: 601-611, 681-689. 1954.
- Supplement to the grasses of Madhya Pradesh. *Indian For.* 89: 593-602. 1963.
- Flora of Bandhavgarh. *Indian For.* 94: 571-584. 1968.
- TOMER, M. S. Observations on growth and development of *Bambusa arundinacea*. *Indian For.* 89: 571-582. 1963.
- TOTHILL, J. C. Phenological variation in *Heteropogon contortus* and its relation to climate. *Aust. J. Bot.* 14: 35-47. 1966.
- Variation and apomixis in *Heteropogon contortus*, Gramineae. *Bot. Soc. Argentina Bot.* 12: 188-201. 1968.

- TOTHILL, J. C. AND R. M. LOVE. Autecological studies on *Ehrharta calycina* L. A review of the literature. II. Distribution, habitat and environmental relationships. *Adv. Front. Pl. Sci.* 8 : 69-108. 1964.
- The role of the root system in the distribution of *Ehrharta calycina*. *J. Austr. Inst. agric. Sci.* 32 : 300-301. 1966.
- TRIPATHY, P. C. See PATTNAIK, H. AND P. C. TRIPATHY. 1960.
- TRIVEDI, B. S. AND P. C. SHARMA. Biological spectrum of Lucknow flora. *Proc. nat. Acad. Sci.* 35B : 15-20. 1965.
- UMA MENON, T. See GANDHI, S. M., T. UMA MENON, P. D. BHARGAVA AND M. P. BHATNAGAR. 1961.
- UMAT, D. S. Flowering studies on sugarcane in Madhya Pradesh. *Indian Sug.* 10 : 171-173. 1960.
- UPADHYAY, M. K. See JAIN, K. B. L. AND M. K. UPADHYAY. 1963.
- UPADHYAYA, Y. M. See NARULA, P. N. AND Y. M. UPADHYAYA. 1962.
- UPPULURI, M. R. AND U. SATYAVATHI. Two new species of *Iseilema* Anderss. from India. *J. Bombay nat. Hist. Soc.* 65 : 664-669. 1968.
- VAID, K. M. Vivipary in Bamboo, *Melocanna bambusoides*. *J. Bombay nat. Hist. Soc.* 59 : 696-697. 1962.
- Note on *Stipa sibirica* (L.) Lam, poisonous grass of Kashmir. *Indian For.* 83 : 423-424. 1963.
- VAIDYA, S. M. New type found in corn. *Curr. Sci.* 34 : 261-262. 1965.
- See SINGH, B., N. L. DHAWAN, E. W. SPRAGUE, R. L. PALIWAL AND S. M. VAIDYA. 1963.
- VAJRAVELU, E., J. JOSEPH AND V. CHANDRASEKHARAN. Contribution to the flora of Palghat district, Kerala. *Bull. bot. Surv. India* 10 : 67-83. 1968.
- VARSHNEY, C. K. Seasonal aspects of the wall vegetation of Varanasi. *Trop. Ecol.* 8 : 22-29. 1967.
- VARTAK, V. D. Some unrecorded grasses from Poona district, Bombay State. *Poona agric. Coll. Mag.* 50 : 139-145. 1959.
- Study of the flora of the Katraj Ghat, Poona District. *J. Univ. Poona, Sci. Tech.* 22 : 85-117. 1962.
- VEERASWAMY, R. AND V. SRINIVASAN. Commercial utilisation of hybrid vigour in Cumbu (*Pennisetum typhoides* Stapf & Hubb.) in Madras State. *Madras agric. J.* 49 : 47-49. 1962.
- VELAPPAN, E. Guatemala grass has a great many uses. *Indian Fmg.* 54 : 29-30. 1964.
- VENKATARAMAN, K. AND K. SAMATHUVAM. Abnormal spike in *Eleusine coracana* Gaertn. *Madras agric. J.* 50 : 34. 1963.
- VENKATARAMAN, R. Linear branching in paddy. *Madras agric. J.* 50 : 371. 1963.
- VENKATASWAMY, T. Three and four styled mutant in *Oryza*. *Andhra agric. J.* 10 : 149. 1963.
- VENKATESWARLU, J. AND U. R. K. MURTY. Cytological studies in the genus *Iseilema* Anderss. *Proc. Indian Sci. Congr.* III : 398-399. 1967.
- VERMA, BALVIR. Suitability and economics of grass for reclamation and stabilisation of Mahi Ravines in Gujarat. *Indian For.* 95 : 33-44. 1969.
- VERMA, C. M. See CHAKRAVARTY, A. K. AND C. M. VERMA. 1965.
- VERMA, D. M. Ecological studies of grasslands of Champaran (N. Bihar). *Proc. Indian Sci. Congr.* III : 362. 1961.
- Preliminary observations on three grassland communities of Khair-sissoo (*Acacia-Dalbergia*) Forests in Champaran Forest Division, Bihar. *Proc. nat. Acad. Sci.* 33B : 61-62. 1963.
- Study of the vegetation and soil properties in an enclosed area at Kailana (Jodhpur). *Trop. Ecol.* 5 : 52-59. 1964.
- See RAMAN, S. S. AND D. M. VERMA. 1963.
- See SINGH, J. S. AND D. M. VERMA. 1964.
- , B. M. WADHWA AND O. P. MISRA. Some additions to the flora of Rajasthan. *Proc. nat. Acad. Sci.* 35B : 163-170. 1965.
- VERMA, S. D. See DIXIT, S. N., S. D. VERMA AND T. N. SRIVASTAVA. 1966.
- VERMA, S. K. Vegetation types of Jaipur. *Indian For.* 93 : 7-17. 1967.
- See MATHUR, C. M. AND S. K. VERMA. 1964.
- VIRMANI, O. P. Cultivation of *Cymbopogon nardus* (Ceylon Citronella) at Lucknow. *Indian Oil Soap J.* 31 : 180-182. 1965.
- VON EHRENFELS, B. U. R. Small grain Maize in Asia. *Man* 59 : 246. 1959.
- VYAS, L. N. On the grasses of Alwar (Rajasthan). *Univ. Raj. Stud. biol. Sci.* 1-8. 1963.
- Studies on the phytogeographical affinities of the flora of north-east Rajasthan. *Indian For.* 90 : 535-538. 1964.
- Study of hydrophytes and marsh plants of Alwar and environs. *J. Indian bot. Soc.* 43 : 17-30. 1964.
- Vegetation of Alwar and its relationship with the north-eastern Rajasthan vegetation. *J. Indian bot. Soc.* 43 : 322-333. 1964.
- Studies on grassland communities of Alwar. *J. Indian bot. Soc.* 43 : 490-494. 1964.
- Phytosociological studies on the vegetation of sandy plains of Alwar district, North-east Rajasthan. *Trop. Ecol.* 5 : 60-66. 1964.
- Contribution to the plant ecology of Aravali Hills. 1. Studies in the forest types of Alwar, Rajasthan. *J. Indian bot. Soc.* 44 : 51-57. 1965.
- Vegetation of Parashuram hills and its neighbourhood. *J. Indian bot. Soc.* 44 : 149-162. 1965.
- Contribution to the flora of north-east Rajasthan. *J. Bombay nat. Hist. Soc.* 64 : 191-231. 1967.
- AND R. S. GUPTA. Observations on the vegetation of some sandy areas in Alwar district, North-east Rajasthan. *Ann. Arid Zone* 4 : 84-92. 1965.
- WADHWA, B. M. See VERMA, D. M., B. M. WADHWA AND O. P. MISRA. 1965.
- WAHEED KHAN, M. A. Ecology and potentiality of the bamboo forests of Bilaspur division, Madhya Pradesh. *Indian For.* 86 : 575-589. 1960.
- WALI, M. K. AND S. N. TIKU. Contribution to the flora of Kashmir, Lolab Valley. *Bull. bot. Surv. India* 6 : 141-149. 1964.
- WHYTE, R. O. *The Grassland and Fodder Resources of India*. New Delhi. 1964.
- , T. R. G. MOIR AND J. P. COOPER. "Grasses in Agriculture". F.A.O. Rome. 1959.
- WILLIAMS, R. J. See HARTLEY, W. AND R. J. WILLIAMS. 1956.
- WILLIAMS, W. T. See CLIFFORD, H. T., W. T. WILLIAMS AND G. N. LANCE. 1969.
- WILSON, J. See ANDIAPPAN, K. AND J. WILSON. 1963.
- WU, M. C. Y. Reinvestigation of the midrib of bamboo leaves. *Bot. Bull. Acad. Sinica* n.s. 1 : 144-155. 1960.
- The classification of Bambuseae based on leaf anatomy. *Bot. Bull. Acad. Sinica* n.s. 3 : 83-108. 1962.

- WUN, K. D. See LI, H. W., C. C. CHEN, T. S. WEN AND K. D. WUN. 1963.
- YADAV, J. S. P. Site and soil characteristics of Bamboo forests. *Indian For.* 89 : 177-193. 1963.
- YOUNG, R. A., J. R. HAM AND F. A. McCLURE. *Bamboo in the United States*. U.S. Dept. Agric., *Agric. Handb.* 193. 1961.
- ZOHARY, D. AND M. FELDMAN. Hybridization between amphidiploids and the evolution of polyploids in the Wheat (*Aegilops-Triticum*) group. *Evolution* 16 : 44-61. 1962.
- ZOTOV, V. D. Synopsis of the grass subfamily Arundinoideae. *New Zealand J.* 1 : 78. 1963.
- ZUTSHI, D. P. See KAUL, V. AND D. P. ZUTSHI. 1967.

DISCUSSION

A subject-wise analysis of the bibliography shows about 150 papers on taxonomy, 100 on cytology and breeding, 70 on utilisation, 50 each on ecology of grasses and grasslands, external morphology (including teratology), biosystematics (anatomy, palynology and embryology) and agronomy and physiology; only about 30 papers deal with phytogeographic aspects, such as new distributional reports, discontinuous distribution and endemism. About 150 references on floristics and general vegetation of different regions of India provide information on occurrence of grass species in those areas. Very little work has been done on taxonomic scrutiny of the material of even Indian species in our herbaria.

As regards regional accounts of grasses, about 40 papers deal with states or smaller areas. It is interesting that grasses and grass-

lands of Rajasthan, a state which is botanically rather poor, have attracted considerable attention. About a dozen papers have been published on grasses of this state. There were about 10 papers on grasses of Uttar Pradesh, 5 on grasses of Bengal and 4 on grasses of Madhya Pradesh. Two or three papers have been published on grasses of Gujarat, Bihar, Madras and Mysore. The states of Panjab, Haryana, Maharashtra, Andhra Pradesh, Kerala, Orissa, Assam and Andamans had only one paper or no work at all.

The most neglected regions in this decade have been the central and northern part of peninsular India and eastern India. This is unfortunate because it has been shown that peninsular regions of the world have rich endemism. The peninsular region of India has contributed large number of new taxa and intensive exploration and study of grasses in this region are urgently needed. The same is true of the eastern Himalayas and the region of Assam.

ACKNOWLEDGEMENTS

We are grateful to the Director, Botanical Survey of India for facilities in our studies; our thanks are due to Sri D. C. Pal and Sri R. L. Mitra for help in checking some references, and to Sri L. D. Sangle for careful typing of the manuscript.