Dr. Vivek C.P.

Botanical Assistant, Botanical Survey of India, Andaman & Nicobar Regional Centre, Port Blair.

Date of Joining in BSI, ANRC :

31.12.2014

As JRF in BSI, SRC, Coimbatore (2010-

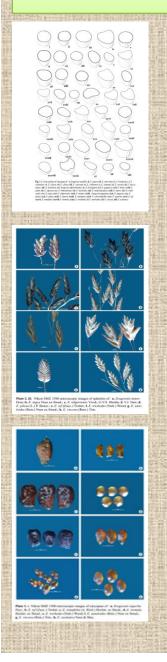
Project : Taxonomy Capacity Building Project for Research on grasses and bamboos, under AICOPTAX, sponsored by MoEFCC

Topic : Taxonomy of grass genus*Eragrostis*Wolf in India

PI: Dr. V.J. Nair (formerly Deputy
Director of BSI, SRC,Coimbatoreand Co-ordinatorof AICOPTAXand JanakiAmmal Awardee)

SUBMITTED THE FINAL REPORT IN 2014

Ph.D. Degree



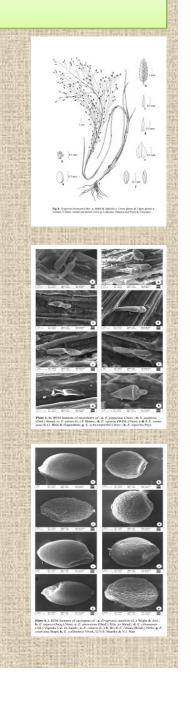
Title of Thesis - A taxonomic study on the grass genus *Eragrostis* Wolf (Tribe: Eragrostideae Stapf) in India

University - Bharatiar University, Coimbatore, Tamil Nadu

Date on which Degree Awarded 05.08.2015

Highlights

total species : 44 nos. sp. nov. : 4 nos. var. nov. : 1no. syn. nov. 1 no. new report to India: 1 no. names lectotypified: 2 nos.



Annual Action Plan (2015 – 2018)

Name of the Project

Study of the Flora of Kyd, Pitman & James

Islands, South Andaman

Name of the other executing officials

Dr. Sanjay Mishra, (Scientist B), Mr. Gautam Anuj Ekka (Pres. Assistant)

Annual Action Plan - works done

Number of field tours conducted : 3 nos. Number of field numbers vouched : 364 nos. Number of species identified : 204 nos. Number of seeds and seedlings collected for introducing in garden : 74 nos.

Works progressing....

- Identification and documentation of collected specimens
- Consultation of relevant literature
- Consultation of herbarium

Publications

Total Number of Papers Published in National and International Journals : 14 Nos. Total Number of Abstracts published : 5 Nos. (first author in 12 nos. and co-author in 2)

- new species discovered : 5 Nos.

- new variety discovered : 1 No.
- names lectotypified : 2 No.
- species synonymized : 1 No.
- new report to state : 2 Nos.
- othrers

: 3 Nos.

: 2 Nos.

Poster Presented in Seminars

List of Papers Published

- Vivek C.P., G. Gnanasekaran, G.V.S Murthy and V.J. Nair. 2016. Microhairs of Indian *Eragrostis* Wolf (Poaceae) and their taxonomic significance. *Nelumbo* 58: 48 - 56, *DOI* : 10.20324/nelumbo/v58/2016/105921.
- 2. Vivek, C.P., G.V.S. Murthy and V.J. Nair. 2013. *Eragrostis nilgiriensis* (Poaceae): a new grass species from Nilgiri district, Tamil Nadu, India. *Nord. J. Botany* 30: 001–004 doi: 10.1111/j.1756-1051.2012.01676.x.
- **3.** Vivek C.P., G.V.S Murthy and V.J. Nair. 2015. Lectotypification of *Eragrostis maderaspatana*. Nelumbo 57: 40-42 (DOI:10.20324/nelumbo/v57/2015/87093).
- 4. Vivek, C.P., M.M. Swapna and K.K. Suresh. 2010. *Eriocaulon wayanadense* (Eriocaulaceae), a new species from Kerala, India. *Rheedea* 20(1): 25 27.
- 5. Vivek, C.P., G.V.S. Murthy and V.J. Nair. 2013. *Eragrostis minor* Host var. *rajasthanensis* (Poaceae: Eragrostideae) a new variety from Rajasthan, India. *J. Econ. Taxon. Bot.* 37 (4): 717 719.
- 6. Vivek C.P., G.V.S Murthy and V.J. Nair. 2015. On the identity of *Eragrostis dayanandanii* (Poaceae) described from Tamil Nadu, India. *Nelumbo* 57: 43-45 (*DOI: 10.20324/nelumbo/v57/2015/87094*).
- Vivek C.P., G.V.S Murthy, G. Gnanasekaran, K.A.A. Kabeer and V.J. Nair. 2015. A study on the Caryopses morphology of the grass genus *Eragrostis* in India. *Nelumbo* 57: 1-10 (*DOI:* 10.20324/nelumbo/v57/2015/87084).
- 8. Vivek, C.P., G.V.S. Murthy and V.J. Nair. 2013. *Eragrostis Jainii* (Poaceae: Eragrostideae) a new species from Kerala, India. *Nelumbo* 55: 1 5.
- 9. Vivek, C.P., G.V.S. Murthy and V.J. Nair. 2013. *Eragrostis collinensis* (Poaceae: Eragrostideae) a new species from the hills of Kerala and Tamil Nadu. *Ind. J. Forestry*. 36 (3) 401 404.
- Vivek, C.P., G.V.S. Murthy and V.J. Nair. 2013. A note on *Eragrostis rottleri* Stapf (Poaceae) and its lectotypification. *Nelumbo* 55: 109 – 112.
- **11. Vivek, C.P.,** G.V.S. Murthy and V.J. Nair. 2013. On the confusion in the identity of *Eragrostis atrovirens, E. gangetica* and *E. nutans. Nelumbo* 55: 94 101.
- Vivek, C.P., G.V.S. Murthy and V.J. Nair. 2012. A new species *Eragrostis henryi* (Poaceae: Eragrostideae) from Tamil Nadu, India. *Nelumbo* 54: 9 – 12.
- Sanjay Mishra, C.P. Vivek and L.J. Singh. 2016. *Eleocharis spiralis* (Rottb.) Roem. & Schult. (Cyperaceae): An addition to the flora of Andaman and Nicobar Islands. *Tropical Plant Research* 3(2): 289 – 291.
- 14 Caniou Michra C D Vivak and L L Singh 2016 Courtoging oungraided (Davh) Saiak A nov

List of Abstracts Published

- 1. Vivek C.P., L.J. Singh and M.Y. Kamble. 2015. Aquatic and wetland plant diversity and climate change in Andaman and Nicobar Islands. *In: National Seminar on Harmonizing Biodiversity and Climate Change: Challenges & Opportunity,* Port Blair.Abs. 91.
- Sanjay Mishra, C.P. Vivek, Gautam Anuj Ekka and Lal Ji Singh, 2016. A preliminary account on the flora of Kyd, Pitman and James Islands Wildlife Sanctuary, South Andaman. In: International Conference on Climate change adaptation and biodiversity: Ecological sustainability and resource management for livelihood security, Andaman Science Association, Port Blair. Abs.: 235 236.
- 3. Singh LalJi and Mishra S., Ekka Anuj Gautam and **Vivek C.P.** 2016. Conservation of Medicinal Plants Diversity in Dhannikhari Experimental garden cum Arboretum (DEGCA), Andaman and Nicobar. *In: National seminar on ethno medicinal practices in Andaman and Nicobar islands: Scope, Limitation and Prospective organized by Regional Research Centre of Ayurveda (RRCA), Port Blair, 11-12 November, 2016. Abs.*
- 4. Sandip Kumar Behera, Sanjay Mishra, Lal Ji Singh and **C. P. Vivek**. 2015. Some interesting Pteridophytes of South Andaman, India. *In: National Conference on Cryptogam Research in India: Progress and Prospects*, Lucknow. Abs.
- LalJi Singh, Gautam Anuj Ekka, Sanjay Mishra, Sandip Kr. Behera and Vivek C. P. 2015. Endemic Pteridophytes: a conservation appraisal in the Andaman and Nicobar Islands, India. In: National Conference on Cryptogam Research in India: Progress and Prospects, Lucknow. Abs. 107.

Duties Assigned in BSI, ANRC

- In-charge of mounting and duplicate sections and database unit
- 2. Looking after duties of library
- 3. Digitization of herbarium
- 4. Member of disciplinary committee
- 5. Member of Raj Bhasha Karyavayan Samittee
- Assisting the HoO and other officers in other duties as

and when assigned

Major scientific works done

Total Number of

- -137 unidentified herbarium specimens of PBL identified into 68 species
- -179 nos. plants identified for public

Preparing the scientific illustrations, descriptions, etc. as and when assigned

Assisted scientists in field tours

- -16.02.2015 to 25.02.2015: Rani Jhansi Marine National Park, South Andaman
- -14.03.2016 to 19.03.2016 : Diglipur, North Andaman
- other local field collections

Duties performing in relation to ANRC, Garden

Assisting the Scientist In-Charge in the monitoring activities

 preparing details of plants for display boards

- attending students, trainees, research scholars and public



Scientific Service Rendering to Other Departments

Herbaceous plants growing in A&N Islands for the Directorate of Agriculture, Port Blair

Plant species used for nursery techniques and rare and endangered species of Andaman & Nicobar Islands for Deputy Conservator of Forests, Silviculture Division, Port Blair

RET Plants growing in A&N Islands for Conservator of Forests, Silviculture Division, Port Blair

Major technical works done

Herbarium Related

Total Number of

-herbarium specimens scanned in PBL : 2,239 nos.
-Label details computerized in XL format : 11,037 nos.
-herbarium specimens dusted : 1,750 nos.
-old folders replaced : 60 genus 228

Library Related

: 14 nos.

: 72 nos.

Total Number of

- -books accessioned
- -Journals incorporated
- -Newsletters, magazine,
- brochures etc. incorporated : 46 nos.

Future Plan

Continue working on family Poaceae

Photo courtesy: Dr. K.A. Sujan



THANK YOU