



CONTENTS

PART - I: REVIEW ARTICLE

New paradigms in exploration of microbial endophytes in insect pest management 420

- D. N. KAMBREKAR

PART - II: RESEARCH PAPERS

Crop Sciences

Heterosis for yield and yield related components using diverse restorer lines in pearl millet

[*Pennisetum glaucum* (L.) R. Br.] 436

- SUMIT SALAGARKAR AND MRUTHUNJAYA.C. WALI

Assessment of genetic diversity in parents and variability in the F_2 generation of three productive

intrahirsutum hybrids of cotton (*Gossypium hirsutum* L.) 439

- KIRAN P. DHARESHWAR AND B. M. KHADI

Growth and yield of rice as influenced by biofortification of zinc and iron 443

- S. SURESH AND S. R. SALAKINKOP

Effect of mulching on maize and wheat (*Triticum aestivum*) in maize-wheat cropping system 449

- H. R. PRIYA AND G. B. SHASHIDHARA

Effect of surface and sub surface drip irrigation at different ET_c levels on growth and yield

of Bt cotton (*Gossypium hirsutum* L.) 456

- M. ROOPASHREE, S. RAJKUMARA AND J. K. NEELAKANTH

Efficacy of insecticides on adults and soil inhabiting maggots of cotton flower bud midge

(*Dasineura gossypii* Fletcher) 461

- K. S. BABAR, K. S. PAWAR, S. C. CHENNEGOWDA, P. K. AWARE, S. S. RAVINDRAN AND S. PARIMI

Socio-economic profile of perennial fodder growers and the constraints faced by them in cultivation 466

- PARTHA BANERJEE AND NAGARATNA BIRADAR

Empowering rural women with improvement in knowledge level through training programmes 470

- NAGARATNA C. KURBETTA AND UMA S. HIREMATH

Genotypic and phenotypic correlations and path coefficient analysis for oleic acid content in sunflower 476

- I. S. TILAK, B. KISAN, AYYANGOUDA PATIL, I. SHANKERGOUD, VIJAYKUMAR GHANTE,

VIKAS KULKARNI AND KADIRVEL

Effect of trichome density on the resistance to the jassids in inter-specific <i>G. hirsutum</i> x <i>G. barbadense</i> cotton recombinant inbred lines (RIL) population	479
---	-----

- MAHANTESH SANKESHWAR AND RAJESH S. PATIL

Home Science

Opinion of rural school children about mid day meal programme	482
---	-----

- NEHA SINGH AND CHHAYA BADIGER

Usefulness of foundation course and trainee's satisfaction	490
--	-----

- ROOPAU. NATAGALL AND SHOBHANAGNUR

Effect of laundering on absorbency properties of toweling fabrics	495
---	-----

- BHAGYASHREE HAKKARKI AND GEETA MAHALE

Effect of different mordants, with mordanting methods on physical properties of silk yarn dyed with <i>Acacia nilotica</i> pods	500
--	-----

- DILSHAD JAMADAR AND K. J. SANNAPAPAMMA

Efficiency of surfactants on stain removal	505
--	-----

- SHREELA MATTI AND SHAILAJA D. NAIK

Acceptable entity of vegetable soybean	509
--	-----

- LAXMIBHAI BELAGALI AND UMA N. KULKARNI

Optimization of processing conditions for improved physical and sensory attributes of little millet (<i>Panicum miliare</i>) composite flour bread	513
---	-----

- PRIYADARSHANI DESHMUKH AND NIRMALA YENAGI

PART - III: RESEARCH NOTES

Crop Sciences

Relationship between genetic distance among drought tolerant maize inbred lines with heterosis and specific combining ability under well-watered and managed drought conditions	517
--	-----

- COUSIN MUSVOSVI AND MRUTHUNJAYA C. WALI

Prevalence of Fusarium wilt of pigeon pea caused by <i>Fusarium udum</i> Butler. in Karnataka	521
---	-----

- U. S. RASHMI AND S. N. CHATTANNAVAR

Growth performance of pulses in Karnataka	524
---	-----

- SIDDESHWAR S. SHIRAGANVI AND S. S. GULEDAGUDDA

Economic water productivity of paddy in TBP and NRBC command areas of Karnataka	526
---	-----

- VIRESHASULTANAPUR, SURESH S. PATIL, G. M. HIREMATH, B. S. REDDY AND M. S. AYYANGOUDAR

Marketing management of plant nutrients in Dharwad district	529
---	-----

- SANGEETA PATIL AND BALACHANDRA K. NAIK

Home Science

Quality of life of elderly of Northern Karnataka and Jaintia hills region	533
- DAHUN MASSAR AND PUSHPA B. KHADI	
Knowledge and adoption level of home science technologies	536
- SHIVALEELA P. PATIL AND SUREKHA SANKANGOUDAR	
Job performance and applicability of Krishi Vigyan Kendra mandates to subject matter specialists	
of different faculties	539
- AKSHATA RAMANNANAVAR AND SHOBHA NAGNUR	
Impact of foundation course training on knowledge of staff of Karnataka State Department of Agriculture	542
- ROOPA U. NATAGALL AND SHOBHA NAGNUR	
Blending of silk floss with cotton and its properties	545
- RASHMI PAREET AND GEETAMAHALE	
Key words of JFS, Volume 29 (4)	547
Name of the referees of JFS, Volume 29 (4)	548
Instruction to authors	549