

Cover Letter

Date: / / 2022

To Whom-so-ever-it may concern

I have completed my Ph.D. in Agriculture with specialization in Genetics and Plant Breeding, from Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani. I had worked on mapping and tagging fertility restoration (*Rf*) genes for A1-cytoplasm as part of my Ph.D. research. I conducted field evaluation and phenotyping evaluation, while all my genomics work was conducted at International Crops Research Institute for Semi-Arid Tropics, Patancheru, India. My area of research interest is related to Genomics, Genetics and Plant Breeding.

During my Ph.D. research, I successfully identified and validated the SNP markers responsible for fertility restoration genes for A1 cytoplasm in sorghum. Additionally, we have designed KASP SNP assay for all known *Rf* genes and validated on a small set of breeding material. Further we have now shortlisted a set of 20 SNPs for routine use in the breeding program. During this research work, I learned bioinformatics tools such as R-software packages, Ubuntu Operating System, TASSEL software including Microsoft Office. During my post-graduation, I worked on “Heterosis and Combining Ability in Okra (*Abelmoschus esculentus* L.)”.

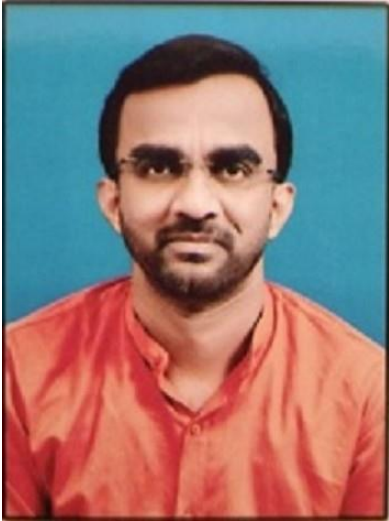
I have experience of working as Technical Officer Gr I (Junior Breeder) in Okra (Lady's finger) breeding in Ankur Seeds Private Limited, Nagpur, Maharashtra, India for 2 years and 3 months. I am currently working as Associate Scientist, Marker Assisted Backcross Breeding (Tomato), Kalash Seeds Private Limited, Jalna - 431203, Maharashtra, India (15 Feb 2021 to Till date). I am a self-motivated, independent researcher with total experience of 3 years and 04 months. I've attached my CV and would be very interested in setting up a time to further discuss my skills and qualifications with you. Please let me know if you have questions and I look forward to hearing from you.

Regards

Gopal Narkhede

M.Sc (Agri), Ph.D

Curriculum Vitae



Dr. Gopal Wasudeo Narkhede

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PERSONAL INFORMATION

Name : Narkhede Gopal Wasudeo
Address : c/o Omprakash W. Narkhede, VHB Colony, Q No. L-94 Near Hanuman Temple, Bajoriya Nagar, Yavatmal
Tq. Dist. Yavatmal, Pin-445001

Date of Birth: 16 Jun 1989

Mobile Number: 8793274342 **Home:** 9850314176

Email: gopnarkhede@gmail.com

Marital Status and Nationality: Married and Indian

Sex : Male

CAREER OBJECTIVE

Enthusiastic to work with my full potential in team or individually to the growth and development of an organization.

1. ACADEMIC BACKGROUND

| Examination/ Degree Passed | Institution / Board /University | Year of Passing | Marks (%) |
|--|--|--------------------------------|----------------------|
| Ph.D. (Agri.) (Genetics and Plant Breeding) | Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani- 431402 | 2020 | 84.30 |
| M. Sc (Agri.) (Genetics and Plant Breeding) | Marathwada Krishi Vidyapeeth, Parbhani-431402 | 2012 | 79.10 |
| B.Sc.(Agri.) | Dr Panjabrao Deshmukh Krishi Vidyapeeth Akola- 4440104 | 2010 | 75.90 |
| H.S.C | SGBU, Amaravti | 2006 | 75.33 |
| S.S.C. | SGBU, Amaravti | 2004 | 74.66 |

Research Work

| Degree | Title |
|--|--|
| Ph.D. (Agri.) (Genetics and Plant Breeding) | Molecular Mapping of Fertility Restoration Genes in Sorghum (<i>Sorghum bicolor</i> L.) |
| <p>Findings: One Male Sterile line (ms-line) crossed with 238 Recombinant Inbred Lines along with two parents and F1 hybrids were evaluated in alpha lattice design in rainy and post rainy season for pollen fertility score and seed setting percentage.</p> <p>Selected F1's selfed to developed F2 population and simultaneously crossed with male sterile line to produced BC1F1 population and evaluated to study genetics of fertility restoration for A1 cytoplasm.</p> <p>The objective of mapping of fertility restoration genes resulted in development and Validation of SNP markers for fertility restoration for A1 cytoplasm in sorghum.</p> | |
| M.Sc. (Agri.) (Genetics and Plant Breeding) | Heterosis and Combining Ability Studies in Okra (<i>Abelmoschus esculentus</i> L.) |
| <p>Findings: Ten genotypes were intermated in a half diallele fashion excluding reciprocals evaluated in randomized block design (RBD) with two replications.</p> <p>The results depicted appreciable heterosis for better parent over all the characters. The GCA estimates identified three parents are best general combiner for yield contributing traits, whereas SCA analysis showed that twelve crosses showed highly significant specific combining ability effects and significant heterosis over better parent.</p> | |

2. RESEARCH SCHOLARSHIP

Successfully completed Ph.D. Research Scholarship from 03 October 2017 to 30 June 2020 at International Crops Research Institute for Semi-Arid Tropics, Patancheru, India.

3. LANGUAGES KNOWN

English, Hindi, Marathi

4. WORK EXPERIENCE (03 Years and 03 Months)

Worked as Technical Officer – Grade I (Junior Okra Breeder) from 20 August 2012 to 20 November 2014 at **Ankur Seeds Private Limited** Nagpur (02 Years 03 Months)

Major Responsibilities at Ankur Seeds Private Limited Nagpur

Maintenance and evaluation of Okra germplasm.

Development of Okra genotypes for different traits.

Designing new crossing programme.

Conducting different hybrid trials.

Development of hybrids resistant to Leaf Curl virus and Yellow Vein Mosaic as per Market Requirement.

Morphological and DUS observations for all germplasm. Collection of new germplasm through exploration programme.

Working as Associate Scientist (Backcross Breeding) at **Kalash Seeds Private Limited**, Jalna – 431203, Maharashtra – INDIA (15 February 2021 to Till date)

Major Responsibilities at Kalash Seeds Private Limited Jalna

Development of disease resistant genotypes in tomato using backcross breeding (Marker Assisted) for successful hybridization program

(Genes: Ty-2, Ty-3, Ty-1/3, Ty-5, Ty-6, I-2, BWR 6-1, BWR 6-2, BWR 12-1, BWR 12-2)

Working as an **Assistant Editor (Plant Science) in the Managing Editorial Board of AGRI MEET: An International Multidisciplinary Magazine**

(From February 2022)

5. TECHNICAL SKILLS

1. Sound knowledge of Genetics, Plant Breeding and Statistical Methods.
2. Linux (Ubuntu) Operating System
3. R Package Software(Data Analysis)
4. TASSEL Software(Data Analysis)
5. Certificate in Information Technology

6. INTERESTS AND HOBBIES

Reading, Playing Cricket, Interested to work in Research and Development

7. PUBLICATIONS (Details attached in Annexure)

| SN | Particulars | Numbers |
|----|--|---------|
| 1 | Research Papers Published | 17 |
| 2 | Review Papers Published | 04 |
| 3 | Book Chapters | 01 |
| 4 | Technical Reports | 02 |
| 5 | Abstracts in International Conference proceedings | 07 |
| 6 | Abstracts in National Conference/Symposium proceedings | 18 |
| 7 | Popular articles | 11 |
| 8 | Society Membership | 04 |
| 9 | Editorial Board | 02 |
| 10 | Young Professional Award (ICAASTSD – 2018) | 01 |

8. DECLARATION

I do here by declare that all the above information provided is absolutely true to the best of my knowledge and belief.

Thanking you,

Your's faithfully



Date: / /2022

(Narkhede Gopal Wasudeo)

References:

- 1. Dr Shivaji P Mehtre**
Soybean Breeder and O/I,
AICRP on Soybean,
VNMKV, Parbhani – 431402 (MS)
Email: shivaji_pmehetre@rediffmail.com
Mobile: 09421462282
- 2. Dr Hirkant V Kalpande**
Associate Professor,
Department of Agricultural Botany
VNMKV, Parbhani – 431402 (MS)
Email: hvkalpande@gmail.com
Mobile: 07588082163
- 3. Dr Santosh P Deshpande**
Research Coordinator,
Hytech Seed India Pvt. Ltd.
Hyderabad, India
Email: Santosh.ds1p2@gmail.com

Research Papers Published

| SN | Author name | Year | Title | Journal name, Vol. no., Page. No. |
|----|---|------|--|---|
| 1 | GW Narkhede, SB Deshmukh, RC Mahajan and SM Shinde | 2015 | Correlation coefficient and path analysis studies in okra (<i>Abelmoschus esculentus</i> L.) | Eco. Env. & Cons. 21 (1) 285-288 |
| 2 | G. W. Narkhede*, G. R. Gopal and S. B. Deshmukh | 2015 | Genetic Divergence Analysis in Okra (<i>Abelmoschus esculentus</i> L. Moench) | The Ecoscan: Special issue, Vol. VII: 101-104 |
| 3 | GW Narkhede, SB Deshmukh, RC Mahajan and SM Shinde | 2015 | Genetic variability and Diversity in okra (<i>Abelmoschus esculentus</i> L.) | Eco. Env. & Cons. 21 (1) 269-271 |
| 4 | Sawant S. N., Gudadhe P. S., Narkhede G. W. and Nagre P. K. | 2014 | Correlation coefficient and path analysis studies in okra (<i>Abelmoschus esculentus</i> L.) | International Journal of Tropical Agriculture, Vol. 32, No. 3-4. |
| 5 | S. M. Shinde, S. B. Deshmukh, Turkhade P.D. and G.W. Narkhede | 2015 | Carbon sequestration potential of some fruit trees in Satara district of Maharashtra India. | Eco. Env. & Cons. 21 (1) 359-362 |
| 6 | S. M. Shinde, S. B. Deshmukh, Turkhade P.D. and G.W. Narkhede | 2015 | Influence of precision farming technology on Chilli cultivation in Maharashtra state India | Eco. Env. & Cons. 21 (1) 581-584 |
| 7 | S. B. Deshmukh, G. W. Narkhede, L. K. Gabale and V. N. Dod | 2015 | Hybrid Vigour In Brinjal (<i>Solanum melongena</i> L.) | The Bioscan; 10(2): 869-876 |
| 8 | S.M.Umate, P.A.Rathod, G.R.Gopal and G.W.Narkhede | 2015 | Path Analysis Studies for Quantitative Traits in Sesame (<i>Sesamum indicum</i> L.) | Multilogic in Science. Vol. V, Issue XIII: 74-76. |
| 9 | D.J. Gawali, S.B. Deshmukh, G.W. Narkhede and V.S. Jagtap | 2015 | Heterosis and Combining Ability for Morphological And Yield Characters in Chilli | Multilogic in Science. Vol. V, Issue XIV: 207-211. |
| 10 | G.W Narkhede, S.B Deshmukh, G.R Gopal and R.C Mahajan | 2015 | Studies on Heterosis in Okra (<i>Abelmoschus esculentus</i> L. Moench) | Multilogic in Science. Vol. V, Issue XIV: 91-99. |
| 11 | V.R. Ghuge, S.P. Mehtre, G.W. Narkhede and R.R. Dhutma | 2016 | Study of Effect Of NAA and SA on Oil, Protein Content in Seed and Chlorophyll Content in Leaf of Soybean | Progressive Research – An International Journal: Volume 11 (Special-IV) : 2532-2534 |
| 12 | GW Narkhede, SP Mehtre, RR Jadhav and VR Ghuge | 2017 | Correlation and Path Analysis for Grain Yield, its Components and Drought Tolerance in Sorghum [<i>Sorghum bicolor</i> (L.) Moench] | J. Agric. Res. Technol., 42 (3) : 173-178 |
| 13 | G Neelima, S P Mehtre and G W Narkhede | 2017 | Correlation Coefficient And Path Analysis Studies In Soybean (<i>Glycine max</i> (L.) Merrill.) | Multilogic in Science. Vol. VI, Issue XXIII |

Cont.....

| SN | Author name | Year | Title | Journal name, Vol. no., Page. No. |
|----|---|------|--|--|
| 14 | G. Neelima, S P Mehtre and G W Narkhede | 2017 | Genetic Divergence in Soybean (<i>Glycine max</i> L. Merrill) | Bull. Env. Pharmacol. Life Sci., Vol 6 Special issue [2] : 87-90 |
| 15 | S. P. Mehtre, R. R. Jadhav and G. W. Narkhede | 2017 | Study of genetic variability for agronomic and drought tolerance traits in sorghum [<i>Sorghum bicolor</i> (L.) Moench] | J. Agric. Res. Technol., 42 (3) : 163-167 |
| 16 | Ingle Krishnananda, Gahukar Santosh, Moharil Mangesh, Jadhav Pravin, Ghorade Rameshwar, Narkhede Gopal and Penna Suprasanna | 2019 | Validation of cytoplasmic genetic male sterility in <i>rabi</i> sorghum hybrids and their parents using diagnostic set of microsatellite markers | Res. J. Biotech, 14(7): 67-73 |
| 17 | Gopal Narkhede, Niranjana Thakur, KP Ingle | 2021 | Studies on combining ability for yield and contributing traits in okra (<i>Abelmoschus esculentus</i> L. Moench) | Elec. J. Plant Breeding, 12 (2): 403-412 |

Review Papers Published

| SN | Author name | Year | Title | Journal name, Vol. no., Page. No. |
|----|---|------|---|--|
| 1 | GW Narkhede, SB Deshmukh and SM Shinde | 2015 | Wild Relatives of Okra (<i>Abelmoschus</i> Spp.) – An overview | Eco. Env. & Cons. 21 (1) 301-306 |
| 2 | GW Narkhede, SB Deshmukh and GR Gopal | 2015 | Chromosomal Manipulations for Crop Improvement – A Review | Multilogic in Sci. 4 (12):134-136. |
| 3 | G W Narkhede, S P Mehtre and A D Autade | 2017 | CRISPR/CAS System: An Efficient Genome Editing Tool – An Overview | Multilogic in Science. Vol. VI, Issue XIX: 166-170 |
| 4 | S. N Devkule, G. W Narkhede and A. D Autade | 2017 | Applications of Synseed Technology in Seed Production – A Review | Multilogic in Science. Vol. VII, Issue XXIV: 152-154 |

Book Chapters Published

| SN | Author name | Year | Title | Publisher |
|----|--|------|--|-------------------------|
| 1. | Ingle, K.P., Al Khayri J.M., Chakraborty P., Narkhede G.W., Suprasanna P | 2020 | Bioactive Co-compounds of Horse Gram (<i>Macrotyloma uniflorum</i> Lam. [Verdc.]). In: Murthy H.N., Paek K.Y. (eds) Bioactive Compounds in Underutilized Vegetables and Legumes. Reference Series in Phytochemistry | Springer AG Switzerland |

Technical Reports Published

| SN | Author name | Year | Title | Journal name, Vol. no., Page. No. |
|----|---|------|---|--------------------------------------|
| 1 | Krishnananda Pralhad Ingle, Gopal Wasudeo Narkhede | 2019 | In Vitro Technique hasten the Secondary Metabolite Production in <i>Azadirachta Indica</i> | J Crop Technol Agri Sci. 1(2):5-6. |
| 2 | Krishnananda P Ingle, Priya Pardeshi and Gopal Narkhede | 2019 | Speed Breeding could Supercharge the Traditional Breeding to Hasten the Development of New Crop Varieties | Acta Scientific Agriculture 3.7: 224 |

Particulars of Membership

| S.N | Society | Membership |
|-----|---|-----------------|
| 1. | Indian Society of Genetics and Plant Breeding, New Delhi | Life Membership |
| 2. | Agri Meet Foundation, Uttar Pradesh | Life Membership |
| 3. | Institute of Scholars | Life Membership |
| 4. | PKV Research Journal, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola Maharashtra | Life Membership |

List of research abstract published in International conferences, symposium, and seminars

| SN | Name of article | Name of publication |
|----|---|---|
| 1 | G. W. Narkhede, S. P. Mehtre, G. R. Gopal and S. B. Deshmukh. Genetic Divergence Analysis in Okra (<i>Abelmoschus esculentus</i> L. Moench) | Presented at International Conference on Plant Research and Resource Management – 2016 held at Tuljaram Chaturchand College, Baramati (M.S.), India. pp 51 |
| 2 | G. W. Narkhede, S. P. Mehtre and G. R. Gopal. Molecular Mapping of Fertility Restoration Genes in Crop Improvement – An Review | Presented at International Conference on Plant Research and Resource Management – 2016 held at Tuljaram Chaturchand College, Baramati (M.S.), India. pp 52 |
| 3 | G. W. Narkhede, S. P. Mehtre, G. R. Gopal and S. B. Deshmukh. Wild Relatives of Okra – An Overview | Presented at International Conference on Plant Research and Resource Management – 2016 held at Tuljaram Chaturchand College, Baramati (M.S.), India. pp53 |
| 4 | G W Narkhede, S P Mehtre, R A Jadhav and G R Gopal. Impact of Biotechnology on Food Security | Presented at International Conference on Food, Water, Energy Nexus in Arena of Climate Change – 2016 held at Anand Agricultural University, Anand (Gujrat) pp201 |
| 5 | Narkhede GW, Mehtre SP, Siva Subramani S, Deshpande SP. Mapping of fertility restorer loci in A ₁ cytoplasm of sorghum [<i>Sorghum bicolor</i> (L.) Moench] | Presented at 6 th Next Generation Genomics and Integrated Breeding for Crop Improvement Conference on Crop Genomics: Present & Future |
| 6 | Mehtre SP, Jadhav RR and Narkhede GW. Study of genetic variability for agronomic and drought tolerance traits in sorghum. | Presented at International conference on: Global Climate Change: Implications for Agriculture and Water Sectors (CCAW) at WALMI Aurangabad. |
| 7 | Narkhede GW, Mehtre SP, Jadhav RR and Ghuge VR. Correlation and path analysis for agronomic and drought tolerance traits in sorghum. | Presented at International conference on: Global Climate Change: Implications for Agriculture and Water Sectors (CCAW) at WALMI Aurangabad. |

List of research abstract published in National conferences, symposium, and seminars

1. **G. W. Narkhede**, S. P. Mehtre, G. R. Gopal, R. A. Jadhav, V. R. Ghuge and H. V. Patil 2016: Stay green trait for stress tolerance in sorghum (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp 80.
2. Kuldeep Ganveer, S. P. Mehtre, **G. W. Narkhede**, H. V. Patil, V. R. Ghuge and R. A. Jadhav 2016: Marker assisted backcross breeding for assessment of polymorphisms between recurrent and donor parent of kharif sorghum hybrids (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India pp.106.
3. S. Y. Patil, S. P. Mehtre, **G. W. Narkhede**, V. R. Ghuge, G. R. Gopal and H. V. Patil 2016: Evaluation of correlation of phenotypic characters with shoot fly tolerance and grain yield in sorghum (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.74
4. S. M. Kakde, D. V. Patil, S. P. Mehtre, V. R. Ghuge, **G. W. Narkhede** and G. R. Gopal 2016: Assessment of correlation and path analysis for grain yield and yield components in sorghum (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.74.
5. S. Y. Patil, S. P. Mehtre, **G. W. Narkhede**, R. A. Jadhav, V. R. Ghuge and H. V. Patil 2016: Estimation of genetic variability parameters of F₄ progenies in sorghum (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.76.
6. Prabhu Ichanal, S. P. Mehtre, **G. W. Narkhede**, H. V. Patil, V. R. Ghuge and R. A. Jadhav 2016: Study of association of yield and its contributing characters in safflower (*Carthamus tinctorius* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.79.
7. S. Y. Patil, S. P. Mehtre, D. G. More, **G. W. Narkhede**, G. R. Gopal and V. R. Ghuge 2016: Evaluation of F₄ progenies for yield and shoot fly tolerance in rabi sorghum (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.79.
8. Kishor Sinha, S. P. Mehtre, **G. W. Narkhede**, H. V. Patil, V. R. Ghuge and R. A. Jadhav 2016: Genetic diversity analysis of sunflower (*Helianthus annuus* L.) using RAPD, ISSR and SSR markers Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.106
9. V. R. Ghuge, S. P. Mehtre, **G. W. Narkhede** and H. V. Patil 2016: Effect of various concentrations of NAA and SA on growth and yield contributing characters of soybean Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.188-189.

10. H. V. Patil, S. P. Mehtre, A. A. Chavan, **G. W. Narkhede** and V. R. Ghuge 2016: Hybrid vigor studies in maize (*Zea mays* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.78
11. H. V. Patil, S. P. Mehtre, S. K. Arbad, **G. W. Narkhede**, A. A. Chavan and V. R. Ghuge 2016: Line x tester analysis in maize (*Zea mays* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.78.
12. R. J. Ravte, S. P. Mehtre, V. R. Ghuge, **G. W. Narkhede**, H. V. Patil and R. A. Jadhav 2016: D² analysis studies for shoot fly resistance in *kharif* sorghum (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.75
13. S. M. Kakde, D. V. Patil, S. P. Mehtre, **G. W. Narkhede**, V. R. Ghuge and G. R. Gopal 2016: Study of genetic variability for grain yield, its attributes zinc and iron content in sorghum grain Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.75.
14. Kuldeep Ganveer, S. P. Mehtre, **G. W. Narkhede**, H. V. Patil, V. R. Ghuge and R. A. Jadhav 2016: Marker assisted backcross breeding for hybridity confirmation of *kharif* sorghum hybrids (*Sorghum bicolor* L.) Presented at National Seminar on Breeding of field crops for biotic and abiotic stresses in relation to climate change held at ISGPB Parbhani Chapter, Department of Agricultural Botany, VNMKV, Parbhani (M.S.) India, pp.107.
15. R A Jadhav, S P Mehtre, G R Gopal and **G W Narkhede**, 2016. Transgenic plants for abiotic stress resistance. Paper presented in National Conference on “Agricultural and Rural Innovations for Sustainable Empowerment organized by Science and Tech Society for Integrated Rural Improvement, Warangal pp 43
16. R A Jadhav, S P Mehtre, **G W Narkhede** and G R Gopal, 2016. Breeding for Biotic Stress tolerance in plants. Paper presented in National Conference on “Agricultural and Rural Innovations for Sustainable Empowerment organized by Science and Tech Society for Integrated Rural Improvement, Warangal. Pp 44
17. **G W Narkhede**, S P Mehtre, V R Ghuge and G R Gopal 2016. RNA interference (RNAi) in Plant Breeding. Paper presented in National Conference on “Agricultural and Rural Innovations for Sustainable Empowerment organized by Science and Tech Society for Integrated Rural Improvement, Warangal. Pp 57
18. **G W Narkhede**, S P Mehtre, V R Ghuge, G R Gopal and R A Jadhav. 2016 Cisgenesis in Crop Improvement. Paper presented in National Conference on “Agricultural and Rural Innovations for Sustainable Empowerment organized by Science and Tech Society for Integrated Rural Improvement, Warangal. Pp 58

Trainings Attended (Online)

| SN | Course Title | Organized by |
|----|---|---|
| 1 | Advanced Statistical Techniques for Data Analysis Using R (Online mode) | ICAR-Indian Institute of Rice Research, Hyderabad in collaboration with Society for Advancement of Rice Research, Hyderabad, Telangana, India (03-15 January, 2022) |
| 2 | One Week STTP on Data Analysis in R (Online mode) | REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India. (20-25 July, 2020) |
| 3 | Modern Methodologies in Statistical Data Analysis for Effective Agricultural Research | College of Agriculture, UAS, Raichur, Karnataka under ICAR-NAHEP (IG) project. (13-17 July, 2020) |
| 4 | Rejigging the Concept of 'Genetics' with germaneness to translational research | IDP-NAHEP SKUAST-Kashmir (03-10 August, 2020) |

Webinars Attended

| SN | Webinar Title | Organized by |
|----|--|--|
| 1 | National Webinar on "Recent Biotechnological Tools for Crop Improvement" | Advanced Post Graduate Centre, Acharya N.G. Ranga Agricultural University, Lam, Guntur (A.P.), India in Association with Institutional Development Plan (IDP) under NAHEP (24 June 2020) |
| 2 | How is CRISPR-Cas accelerating crop improvement? | Bioingene.com (29 June 2020) |
| 3 | Introduction to Genome Editing and Its Application to Plant Virus Control | K. K. Wagh Education Society's K. K. Wagh College of Agricultural Biotechnology Saraswatinagar, Panchwati, Nashik (14 July 2020) |
| 4 | Pandemics and Hunger: Mainstreaming millets for addressing food and nutritional security | Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana, India |
| 5 | Next Generation Genomics and Integrated Breeding for Crop Improvement (VII-NGGIBCI) On Genomics for food, health and nutrition | Center of Excellence of in Participation Genomics & Systems Biology (CEGSB), ICRISAT, Patancheru |

AGROBIOS ARTICLES

| SN | Name of Article | Name of Publication | Month & Year |
|----|--|---------------------|---------------------------------------|
| 1 | R A Jadhav, S P Mehtre and G W Narkhede . Different Chromosome Banding Techniques | AGROBIOS Newsletter | February 2017. Vol XV. Issue 9: 84-85 |
| 2 | G W Narkhede , S P Mehtre and R A Jadhav. SNP genotyping using Kompetitive Allele Specific PCR (KASP) in crop improvement | AGROBIOS Newsletter | February 2017. Vol XV. Issue 9: 85-86 |
| 3 | G W Narkhede and S P Mehtre. Genetic Mapping in Plants. | AGROBIOS Newsletter | May 2017. Vol XV. Issue 12: 7-8 |
| 4 | G W Narkhede and S P Mehtre. Marker free transgenic Plants. | AGROBIOS Newsletter | May 2017. Vol XV. Issue 12: 8-9 |
| 5 | G W Narkhede and S P Mehtre. Association mapping in Plants. | AGROBIOS Newsletter | July 2017. Vol XVI. Issue 2: 92-93 |
| 6 | G W Narkhede and S P Mehtre. Tilling in Functional Genomics. | AGROBIOS Newsletter | August 2017. Vol XVI. Issue 3: 9-10 |
| 7 | G W Narkhede and S P Mehtre. Genotyping-By-Sequencing in plant breeding. | AGROBIOS Newsletter | August 2017. Vol XVI. Issue 3: 90-91 |
| 8 | G W Narkhede and S P Mehtre. Cryopreservation of plant genetic resources | AGROBIOS Newsletter | October 2017. Vol XVI. Issue 5: 88-89 |
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