

RESUME



Name : Dr. Gopala Krishnan S
Designation : Principal Scientist (Plant Breeding)
Contact Number : 09873545505
Email – ID : gopal_icar@yahoo.co.in
Address : Division of Genetics, ICAR-IARI, New Delhi

| | |
|--|---|
| Qualification | Ph.D. (Genetics) |
| Area of Specialization | Genetics and Plant breeding, Rice Genetics and Breeding, Hybrid rice breeding, Molecular Genetics, Genomics |
| Academic Experience | 15 years of Research including 10 years of research and teaching at ICAR-IARI, New Delhi |
| International Exposure | <ol style="list-style-type: none">1. Training 2009-2010 on “Molecular marker assisted plant breeding” at Southern Cross Plant Sciences, Southern Cross University, Lismore, NSW2480, Australia under the BOYSCAST Fellowship awarded by Department of Science and Technology, Government of India, New Delhi from 31.10.2010 to 20.10.2011.2. Three months International Training at Queensland Alliance for Agriculture & Food Innovation, The University of Queensland, St. Lucia, Brisbane, Australia from 02.04.2018 to 01.07.2018. |
| Projects (National and International) | National – 25 projects (3 as PI; 11 as Co-PI and 11 as Associate) |
| Top 10 Peer Reviewed Publications | <ol style="list-style-type: none">1. Gopala Krishnan S, Waters DLE and Henry RJ. 2014. Australian wild rice reveals pre-domestication origin of polymorphism deserts in rice genome. <i>PLoS ONE</i> 9(6): e98843. doi:10.1371/journal.pone.0098843.2. Gopala Krishnan S, Waters DLE, Katiyar SK, SadanandaAR, Satyadev V and Henry R. 2012. Genome-wide DNA polymorphisms in elite <i>indica</i> rice inbreds discovered by whole-genome sequencing. <i>Plant Biotechnology Journal</i>, 10(6): 623-634.3. Gopala Krishnan S, Singh AK, Rathour R, Nagarajan M, |

| | |
|--|--|
| | <p>BhowmickPK, Ellur RK, Vinod KK, Haritha B, Singh UD, Prakash G, Seth R and Sharma TR. 2019. Rice variety, Pusa Samba 1850. <i>Indian J. Genet.</i> 79(1): 109-110.</p> <p>4. Gopala Krishnan S, Singh JP and Dwivedi NK. 2011. Primitive weedy forms of guar, adak guar: possible missing link in the domestication of guar [<i>Cyamopsistetragonoloba</i> (L.) Taub.]. <i>Genetic Resources and Crop Evolution</i>, 58(7): 961-966.</p> <p>5. Gopala Krishnan S, Sharma RK, RajkumarKA, Joseph M, Singh VP, Singh AK, Bhat KV, Singh NK and Mohapatra T. 2008. Integrating marker assisted background analysis with foreground selection for identification of superior bacterial blight resistant recombinants in Basmati rice. <i>Plant Breeding</i> 127: 131-139.</p> <p>6. JosephM*, Gopala KrishnanS*, SharmaRK, SinghVP, SinghAK, Singh NK and MohapatraT. *<i>Equally contributed</i>. 2004. Combining bacterial blight resistance and Basmati quality characteristics by phenotypic and molecular marker assisted selection in rice. <i>Molecular Breeding</i> 13(4); 377-387.</p> <p>7. Fiyaz AR, Yadav AK, Gopala Krishnan S, Ellur RK, Bashyal BM, Grover N, Bhowmick PK, NagarajanM, Vinod KK, Singh NK, Prabhu KV and Singh AK (2016) Mapping quantitative trait loci responsible for resistance to Bakanae disease in rice. <i>Rice</i> 9:45. DOI 10.1186/s12284-016-0117-2.</p> <p>8. Ellur RK, Khanna A, Gopala Krishnan S, Bhowmick PK, Vinod KK, Nagarajan M, Mondal KK, Singh NK, Singh K, Prabhu KV and Singh AK (2016) Marker-aided Incorporation of <i>Xa38</i>, a Novel Bacterial Blight Resistance Gene, in PB1121 and Comparison of its Resistance Spectrum with <i>xa13+Xa21</i>. <i>Scientific Reports</i> 6: 29188. DOI: 10.1038/srep29188.</p> <p>9. Khanna A, Sharma V, Ellur RK, Shikari AB, Gopala Krishnan S, Singh UD, Prakash G, Sharma TR, Rathour R, Variar M, Prashanthi SK, Nagarajan M, Vinod KK, Bhowmick PK, Singh NK, Prabhu KV, Singh BD and Singh AK (2015) Development and evaluation of near isogenic lines for major blast resistance gene(s) in Basmati rice. <i>Theor. Appl. Genet.</i> 128(7): 1243-1259.</p> <p>10. Ellur RK, Khanna A, Yadav A, Pathania S, Rajashekara H, Singh VK, Gopala Krishnan S, Bhowmick PK, NagarajanM, Vinod KK, Prakash G, Mondal KK, Singh NK,</p> |
|--|--|

| | |
|--------------------------------------|---|
| | <p>Prabhu KV and Singh AK (2016) Improvement of Basmati rice varieties for resistance to blast and bacterial blight diseases using marker assisted backcross breeding. <i>Plant Sci.</i>242: 330-341.</p> |
| <p>Awards and Recognition</p> | <ol style="list-style-type: none"> 1. Awarded Lal Bahadur Shastri Outstanding Young Scientist Award 2015 (For Crop and Horticultural Sciences) by ICAR, New Delhi. 2. Selected as Associate, National Academy of Agricultural Sciences, New Delhi in 2016 3. Awarded Recognition Certificate by Indian Council of Agricultural Research, New Delhi for involvement in Basmati rice variety development in 2009. 4. Awarded BOYSCAST Fellowship 2009-2010 in the area of “Molecular marker assisted plant breeding” awarded by Department of Science and Technology, Government of India, New Delhi. 5. Awarded Dr RS Paroda Young Scientist Award (2014) for outstanding contribution in the field of Plant Genetic Resources by the Indian Society of Plant Genetic Resources, New Delhi. 6. Awarded Dr PN Bahl Award in the Field of Crop Sciences for the biennium 2014-2015 by the Division of Genetics, IARI, New Delhi. 7. Awarded the Assam Government Medal, in recognition of the significant contribution made towards rice improvement at Division of Genetics, Indian Agricultural Research Institute, New Delhi, India during February 2005. 8. Received third rank for overall outstanding performance in the 78th Foundation Course for Agricultural Research Service at NAARM, Hyderabad, India from 10 August 2004 to 7 December 2004. 9. National Eligibility for Lectureship (NET) in Life Sciences awarded by University Grants Commission, Government of India, New Delhi and in Plant breeding awarded by ICAR, New Delhi in 2001. 10. Junior Research Fellowship (JRF) by UGC, Govt of India - Ranked within top 50 at National level during 2001 - 2004. 11. Junior Research Fellowship awarded by Indian Council of Agricultural Research (ICAR) – Ranked third at National |

| | |
|-------------------|---|
| | <p>level (Plant Sciences) during 1998 - 2000.</p> <p>12. Awarded TNAU merit fellowship during B.Sc. (Agriculture) during 1994 – 1999.</p> |
| Mentorship | <p>Guided 6 MSc, and 53 post graduate students as a member of the Advisory committee; Guiding 1 MSc, 2 PhD students and 53 post graduate students as a member of the Advisory committee</p> |