Rice, as a fundamental staple crop, faces unprecedented challenges due to climate change, population growth, and resource constraints. This article explores the innovative solutions revolutionizing rice cultivation for a sustainable future. From climate-resilient rice varieties to precision agriculture, sustainable farming practices, digital farming platforms, and nutrient-enhanced rice, these innovations are transforming the rice industry. By harnessing the power of innovation, we can ensure food security, mitigate climate change impacts, and promote sustainability in rice production. This abstract provides a glimpse into the diverse range of innovations shaping the future of rice cultivation.

R ce efe ed e feb d f e e a e fae. а ea 🛛 b d d. I a de a 🛛 а с e e f e a f e 🖉 ba c a 🛛 A a a d Af ca, а а e , de Ø ce a ce [1]. H ea f e а f e e e a e We ecede ed c a с a, c aeca 🗱, a d а M , a d d 🛛 f d 🗹 e ce e a ab ce d c 鹵 С e de a c ca e eed f а ce а e e bee e **Ø**[2]. с а а e a cede e 🛛 ea e fa c f ce a a d c a d ca e а e e а ক্ষ Ø Øa d d a e а а e e сса а e f a ab e f e f ce e e а e e а Ø. Ø aeca 🗱 ce 🕅 [4]. C d ad а с а ed c_ab e a e ea e a e a d e e e e e eecae🚾, ce Т a e bee de e ЮС с ba a ea e de 🖉 ed a d e e ceaee. e e а e, a Ø Ø d d, a d e e a e c a ab e , e e 🛛 e d O e e face f c a e ce a ab e e a e e de e с ca de a e f e f c ba ce, a 🕅 e-ca 🗱 f [5]. a bee ee а ce e 🕷 Ø. a alle fa de e а e c ee ae еeе d 🕅 P ec kМ с a f ed e a e a🛛 ce С a ed. 1 e e fad a ced ec Øе с GPS, d а e, ade, , fa е, ca e e d ac Øa a a e ed acc а f ec, e , fe а Ø Were Maedaded cede e Were dedbMage a alle e a d e e ce a 🗱 [6]. F e ded b e, da a-d e ec M à⊠° с f e e ab e fa e a e ed dec a d ac ce f a ab ab Q be e e

d dafa e b a с b e e e a а ab f .I add 🖾 ca ad a ce ce d c ec е а e ø Ø fa ac ce a e а ce с а e а ab e. alle, f С e a ed ce a d e а e, e e 鹵 Ø f ad e d а æ 🕅 a ed X.I а e ed ce eed f e e ø AØ c e ca e c de , ea e eç e f de Ø ø 诼 а e а e а ac e ee а aeca 🕅 fe [7]. ce c ac ce е a ce Wa 函 d de. fc е e e ca b e_e ec e a ab e ac ce 9 be e e e e h ١Ø 8 f c ea e e e ce a d e ab ce fa D🛛 a fa Ø 🛛 ce fa a f a e e e ea e f ce. M b e a a d a d e e a f de Ø ea e f eca ce, a d be fa acce a e ac ce [8]. Fa ae f ed dec а e ca а e e . . a d e e c 図 e a ded c 🐼 a e 🛛 e с e e d🛛 a 🛛 fa a e. а fac a e c ec 🛛 a e M ed 🛛 e a de 🛛 a а e a e e e ce, f e e Sadcaba ca 🐼 ba fc . Ma e а a c ðØ a 🛛 ce-de e de [9,10]. T add e e, С c a e 🗱, e ea c a e de e e e aced ce a e e, ed -е ed b f e efe ed e e a e a aebed а ce. ۱Ø e e fee e с с а e а а c, a d ø No. e ad ed а f b f ce ca ca e M e а ce-c а а 8 de e NT C e e ce ade a 📓 а e. e

С

I а ce c а e e 🖉 a а f ed a e a e а a ab e f f e 🕅 🖉 ba e 🕅 fac a 🕅 🕅 c aea dab 🕊 са а e e 🕊 a a beac f e. F ce а с a e- e e

*Corresponding author: Kilveira F, Department of Crop Science, National Agriculture and Food Research Organization, Tsukuba 305-8518, Japan, Tel: +57188206612, E-mail: kraki@dtu.dk

Received: 01-Sep-2023, Manuscript No: rroa-23-114631; Editor assigned: 04-Sep-2023, Pre-QC No: rroa-23-114631 (PQ); Reviewed: 18-Sep-2023, QC No: rroa-23-114631; Revised: 22-Sep-2023, Manuscript No: rroa-23-114631 (R); Published: 29-Sep-2023, DOI: 10.4172/2375-4337.1000370

Citation: Kilveira F (2023) Rice Innovation: Paving the Way for a Sustainable Future. J Rice Res 11: 370.

Copyright: © 2023 Kilveira F. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Citation: Kilveira F (2023) Rice Innovation: Paving the Way for a Sustainable Future. J Rice Res 11: 370.

с abae e ad e e c d e aee ec **Ø**a ec e a e e ce e, e ce d e Ø ac ce a d d ab e ace. S a f a e а a ab e fa 'a КС 🛛 fa e adf. e ec a e с e e Ø a ced ce a e e d e ba e e fc e ca e. T 🙋 e, Ø а a e e а a e ee e c e f ce c а а aØ e а с e а d a d e e e Ø Ye f d ec X e ab e а e a d ec с а се А e f a d, e с e e а ১৯ f ab 函 а С а а се c e e e fa , a d e e e a e be а a e ec Ø a d e Ø e eed ca eac а e . R ce, a c dee × ed e fab c f e e We. a dada ab W d, a d a a e а а 🛛 d 🕅 de 8 а ą а, e ca с e ø ab e f e f a d' , f а а а ce b⊠ e e а e eac

References

 Snyder R L, Melo-Abreu J P (2005) Frost protection: fundamentals, practice, and economics. FAO EU 1:1-72. Page 2 of 2

- 2. Flannery K V (2008) Origins and ecological efects of early domestication in Iran and the Near East. IInd Edn Routledge UK:1-28.
- James M B(2001) The Hohokam of Southwest North America.J World Pre hist 15: 257–311.
- Siebert S J (2006) The Digital Global Map of Irrigation Areas Development and Validation of Map Version 4.Germany EU.
- Frenken K (2005) Irrigation in Africa in fgures AQUASTAT Survey 2005:Water Reports. FAO EU:1-649.
- Provenzano G (2007) Using HYDRUS-2D Simulation Model to Evaluate Wetted Soil Volume in Subsurface Drip Irrigation Systems. J Irrig Drain Eng US. 133: 342–350.
- Snyder R L, Melo-Abreu J P (2005) Frost protection: fundamentals, practice, and economics. FAO EU 1:1-72.
- Flannery K V (2008) Origins and ecological efects of early domestication in Iran and the Near East. IInd Edn Routledge UK:1-28.
- James M B(2001) The Hohokam of Southwest North America.J World Pre hist 15: 257–311.
- Siebert S J (2006) The Digital Global Map of Irrigation Areas Development and Validation of Map Version 4.Germany EU.