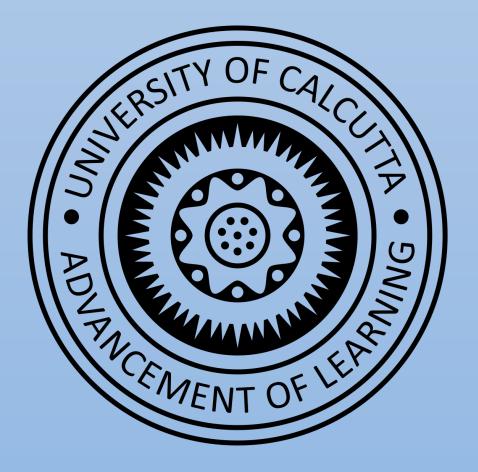
## **Molecular characterization of dehydrin PpDHNC from** *Physcomitrium patens*:



Potential as an antimicrobial protein TANUSHREE AGARWAL, SUDIPTA RAY\* DEPARTMENT OF BOTANY, UNIVERSITY OF CALCUTTA, KOLKATA, WEST BENGAL, INDIA Submission ID: sciforum-080835

Section: Promising antimicrobial leads and mechanisms of action

YESTERDAY, TODAY TOMORROW **20 VIRTUAL SYMPO** 



LDH

18

18

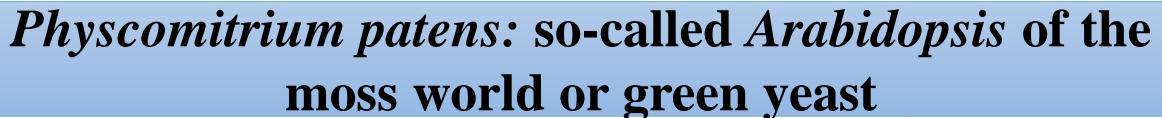
1012

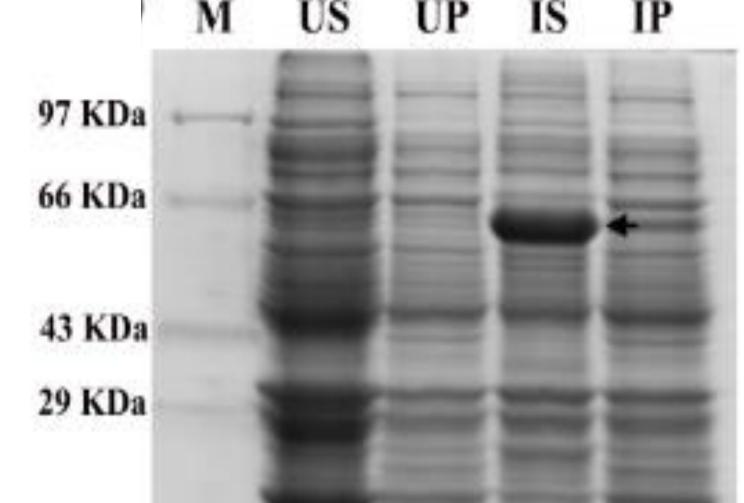
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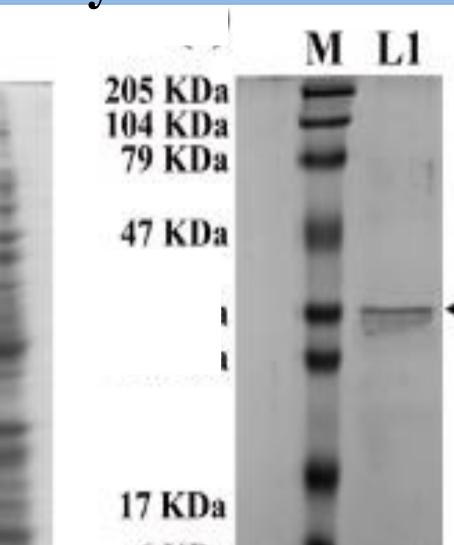
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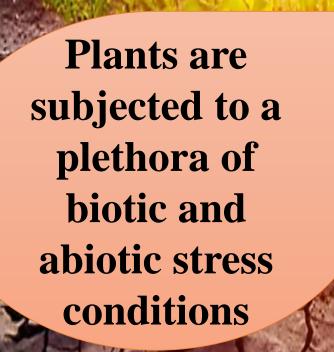
20<sup>th</sup> Anniversary of Antimicrobial Peptide Database



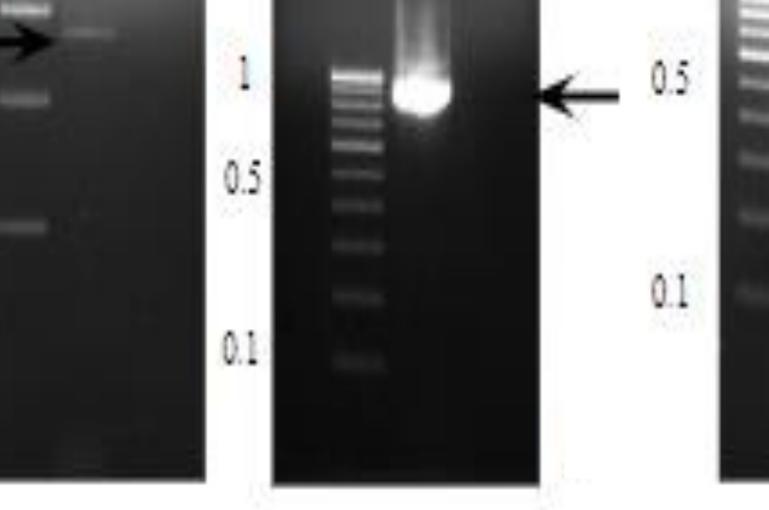


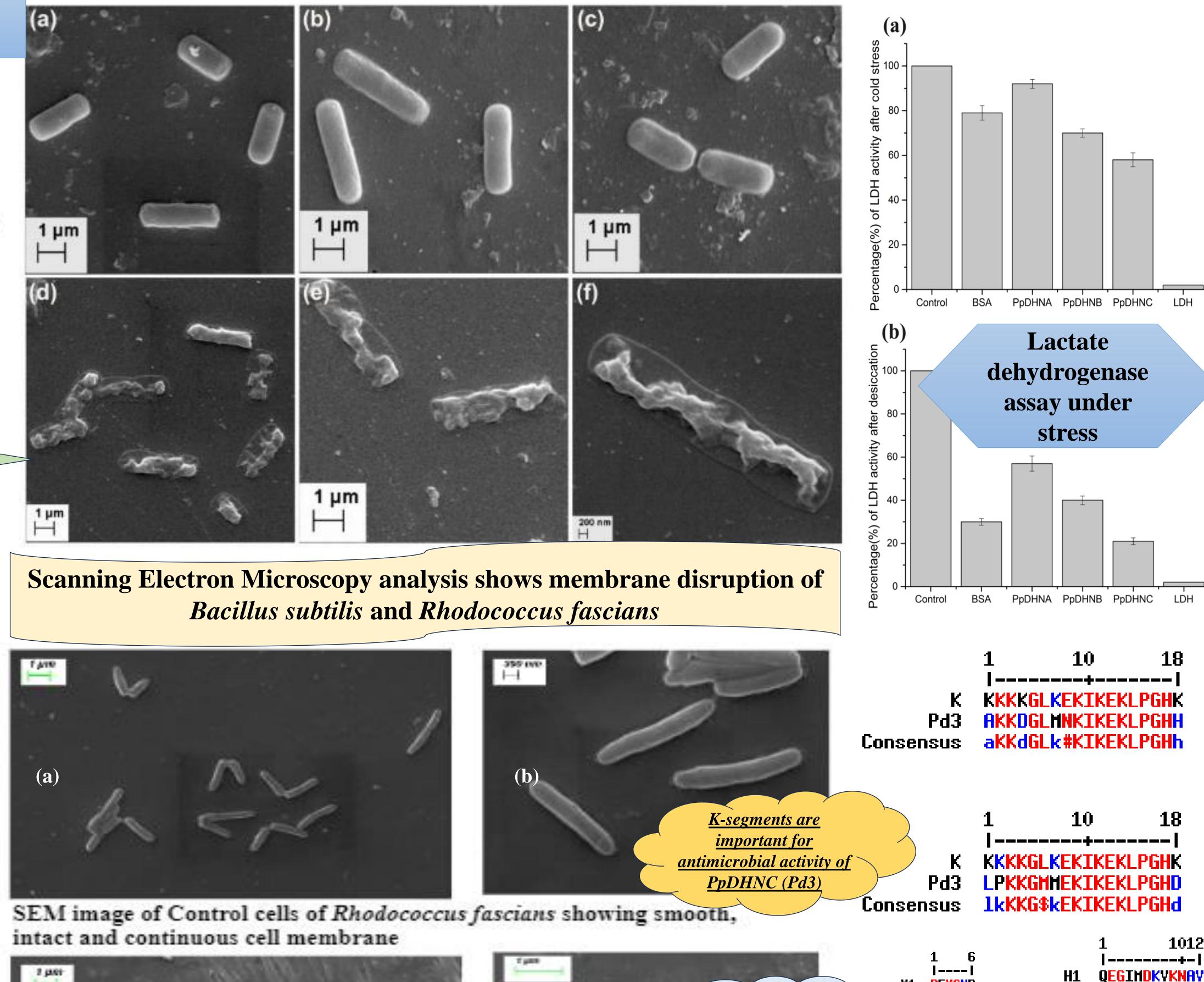


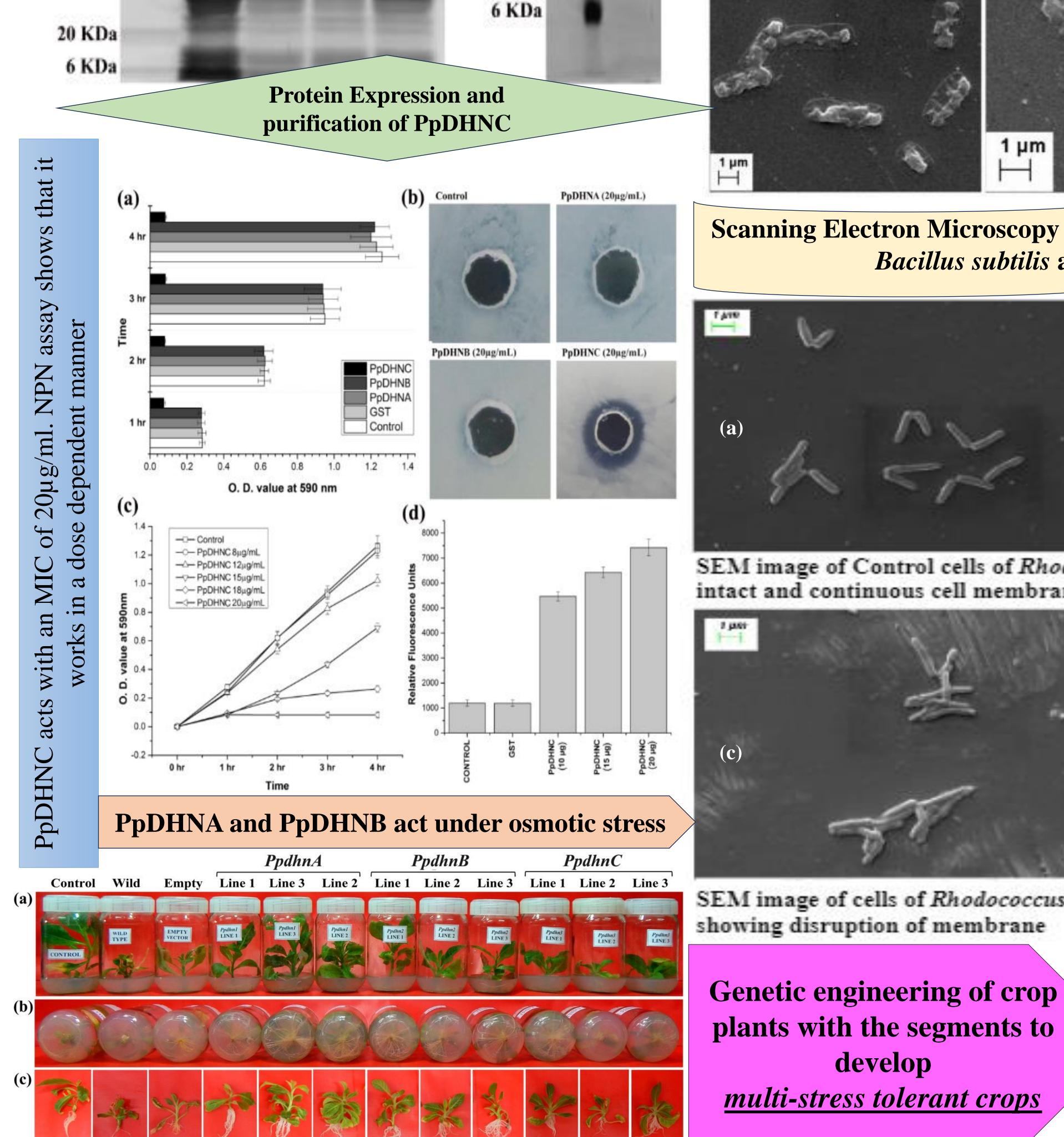






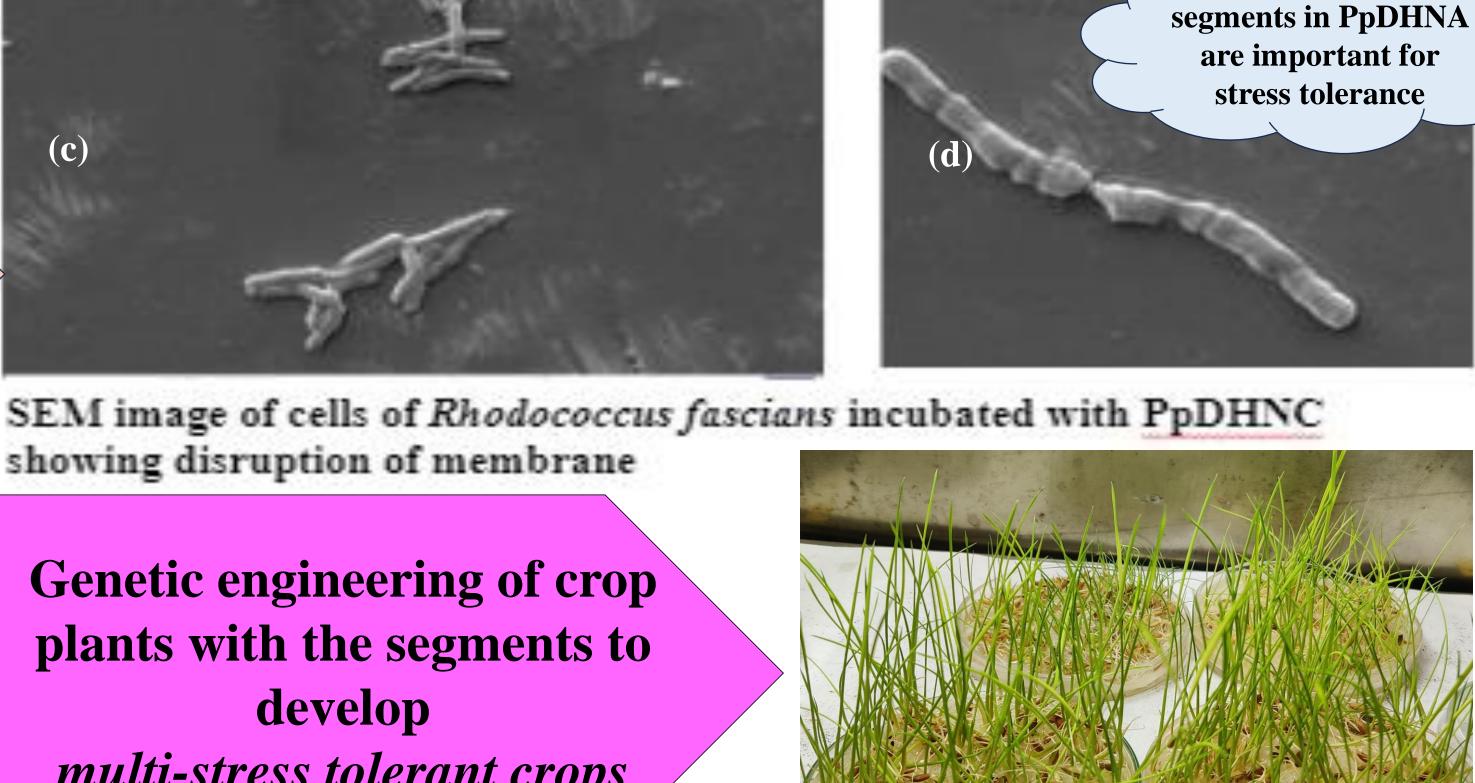












QEGIYDRAKDAY H9 Y9 DNYGNF Y10 DSYGNP REGIVORAKDAY Y3 DSYGNA REGYYDRAKDAY Y5 DNYGNE REGYYDKAKDAY DNYGNE REGIVDKAKDAY Y4 DNYGDR HEGLADRAKDAY Y11 DTYGDR HEGHLDKAKDDF Y6 DSYGTR H10 D.YGnr \_EG\_vDkaK#av Consensus Consensus

DEYGN

DNYGN

DNYGNP

Υ1

¥7

**Repeats of H and Y** 



**K** segments of **PpDHNC**, **Y** and **D** segments of PpDHNA and K segments of PpDHNB can be used to develop a *supramolecule* 

-Publication: Different dehydrins perform separate functions in *Physcomitrella patens*. Tanushree Agarwal, Sudipta Ray. Planta doi:10.1007/s00425-016-2596-1(2016) Moss: little things which can fill the huge glitch in Agriculture. Tanushree Agarwal, Sudipta Ray DST AWSAR AWARD (2019)

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