Publications List

1. SUMO/deSUMOylation of the BRI1 brassinosteroid receptor modulates plant growth responses to temperature.
M Naranjo-Arcos*, **Moumita Srivastava***, F Deligne, P Bhagat, MBhardwaj, A Sadanandom, G Vert (2023) (*equally contributing authors)**PNAS** 120(4): e2217255120.

2. The conjugation of SUMO to the transcription factor MYC2 functions in blue light-mediated seedling development in Arabidopsis.
Moumita Srivastava*, AK Srivastava*, M Bhardwaj, D Roy, C Gough, P Bhagat, C Zhang and A Sadanandom (2022) (*equally contributing authors) **Plant Cell** 34(8): 2892-2906

3. The converging path of protein SUMOylation in phytohormone signalling: Highlights and new frontiers.
Moumita Srivastava, V Verma & AK Srivastava (2021) **Plant Cell Reports**; 40: 2047-2061 doi: 10.1007/s00299-021-02732-2.

4. SUMO enables substrate selectivity by mitogen-activated protein kinases to regulate immunity in plants.
V Verma, AK Srivastava, A Campanaro, **Moumita Srivastava**, RMorrell, C Zhang & A Sadanandom (2021).**PNAS** 118(10): e2021351118.

5. An insight into the factors influencing specificity of the SUMO system in plants.
Moumita Srivastava & A Sadanandom (2020).**Plants** 9(12), 1788.

6. Towards understanding the multifaceted role of SUMOylation in plant growth and development.
MoumitaSrivastava ,A Sadanandom
& AK Srivastava(2020).**Physiologia plantarum** 171(1), 77-85

7. SUMO conjugation to BZR1 mediates the environmental regulation of Brassinosteroid signaling to modulate plant growth during salt stress.
Moumita Srivastava, AK Srivastava, B. Orosa-Puente, A Campanaro, C Zhang & Ari Sadanandom (2020).**Current Biology** 30: 1410-1423

8. Functional interrelation of MYC2 and HY5 plays an important role in Arabidopsis seedling development.
Moumita Chakraborty*, SN Gangappa*, JP Maurya, V Sethi, A Srivastava, A Singh, S Dutta, N Gupta, M Sengupta, H Ram & SChattopadhyay (2019) (*equally contributing authors)**Plant J** 99: 1080-1097

9. Roots branch towards water by post-translational modification oftranscription factor ARF7.
B Orosa*, N Leftley*, D Wangenheim*, J Banda, AK Srivastava, K Hill,J Truskina, R Bhosale, E Morris, **Moumita Srivastava,** B Kümpers, T Goh, H Fukaki, J Vermeer, T Vernoux, J Dinneny, A French, ABishopp, A Sadanandom & M Bennett (2018).**Science** 362: 1407-1410.

10. SUMO conjugation to the immune receptor FLS2 triggers intracellular immune signalling in plants.
B Orosa*, G Yates*, V Verma*, AK Srivastava*, **Moumita Srivastava** ,A Campanaro, J Lee, M Bennett & A Sadanandom (2018).
Nature communications 9:5185.

11. Posttranslational modifications in plant disease resistance.
M Casey, **Moumita Srivastava** & A Sadanandom (2017).**In: eLS. John Wiley & Sons, Ltd: Chichester.**1-7.

12.SHW1 interact with HY5 and COP1, and promotes COP1 mediated degradation of HY5 during Arabidopsis seedling development.
AK Srivastava, D Senapati, A Srivastava, **Moumita Chakraborty**, SN Gangappa & S Chattopadhyay (2015).
Plant Physiology 169: 2922-34.