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Educational Qualifications:

Degree	Specialization/ Discipline	College/University/Institute	Year
Ph.D.	Plant Developmental Biology	Department of Microbiology and Cell Biology, Indian Institute of Science (IISc), Bangalore	2009
Pre-Ph.D. courses	Microbiology & Cell Biology	Department of Microbiology and Cell Biology, Indian Institute of Science (IISc), Bangalore	2009
M.Sc.	Biotechnology	Jammu University, Jammu, J&K	2002
B.Sc.	Botany, Zoology, Chemistry	Udai Pratap Autonomous College, Varanasi, UP	2000

Awards & Recognitions:

Sr. No.	Award/recognition	Awarded by	Year
1.	INSA MEDAL FOR YOUNG SCIENTISTS	Indian National Science Academy (INSA), INDIA	**2015**
2.	NASI-YOUNG SCIENTIST PLATINUM JUBILEE AWARD	The National Academy of Sciences (NASI), INDIA	**2015**
3.	INNOVATIVE YOUNG BIOTECHNOLOGIST AWARD (IYBA)	Department of Biotechnology, Govt. of INDIA	**2014**
4.	PROF. TUNEO YAMADA PRIZE	Indian Society of Developmental Biologist, INDIA	**2006**
5.	GOLD MEDAL	University of Jammu, Jammu (Jammu & Kashmir), INDIA	**2002**

Research Publications:

A. Research Articles:

(1) Siligato, R., Wang, X., **Yadav, S. R.**, Lehesranta, S., Ma, G., Ursache, R., Sevilem, I., Zhang, J., Gorte, M., Prasad, K., Wrzaczek, M., Heidstra, R., Murphy, A., Scheres, B. and Mähönen, A. P. MultiSite Gateway compatible cell type-specific gene inducible system for plants. ***Plant Physiology: 170:*** 627-641. **(2016)**

(2) Furuta-Miyashima, K[#]., **Yadav, S. R[#],** Lehesranta, S[#]., Belevich, I., Miyashima, S., Heo, J., Vaten, A., Lindgren, O., De Rybel, B., Van Isterdael, G., Somervuo, P., Lichtenberger, R., Rocha, R., Thitamadee, S., Tähtiharju, S., Auvinen, P., Beeckman, T., Jokitalo, E. and Helariutta, Y. Arabidopsis NAC45/86 direct sieve element morphogenesis culminating in enucleation. ***Science: 345:*** 933-937. **(2014) [#]Joint first author.**

(3) Dettmer, J.*, Ursache, R.*, Campilho, A.*, Miyashima, S.. Belevich, I., O'Regan, S., Mullendore, D.L., **Yadav, S.R.,** Lanz, C., Papagni, A., Schneeberger, K., Weigel, D., Stierhof, Y., Moritz, T., Knoblauch, M., Jokitalo, E & Helariutta, Y. CHOLINE TRANSPORTER LIKE1 (CHER1) is required for sieve plate development to mediate long distance cell-to-cell communication. ***Nature Communication:*** Jul 10;5:4276. doi: 10.1038/ncomms5276 **(2014).**
[*,] These authors contributed equally.

(4) Khanday, I.[#], **Yadav, S. R. [#]**, and Vijayraghavan, U. Rice *OsLHS1/OsMADS1* controls floret meristem specification by coordinated regulation of transcription factors and hormone signaling pathways. ***Plant Physiology*: 161:** 1970-1983**. (2013) [#] Joint first author.**

(5) **Yadav, S. R.**, Khanday, I., Majhi, B. B., Veluthambi, K and Vijayraghavan, U. Auxin-responsive *OsMGH3*, a common target of *OsMADS1* and *OsMADS6* controls rice floret fertility. ***Plant and Cell Physiology*: 52:** 2123-2135. **(2011)**

(6) Vatén, A., Dettmer, J., Wu, S[**]., Stierhof, Y[**]., Miyashima, S[**]., **Yadav, S. R.**, Roberts, C. J., Campilho, A., Bulone, V., Lichtenberger, R., Lehesranta, S., Mähönen, A. P., Kim, J. Y., Jokitalo, E., Sauer, N., Scheres, B., Nakajima, K., Carlsbecker, A[*]., Gallagher, K. L[*]. and Helariutta, Y. Callose Biosynthesis Regulates Symplastic Trafficking During Root Development. ***Developmental Cell*: 21:** 1144-1155. **(2011)** [*, **] These authors contributed equally.

(7) **Yadav, S. R.[#],** Prasad, K[#]. and Vijayraghavan, U. Divergent Regulatory *OsMADS2* Functions Control Size, Shape and Differentiation of the Highly Derived Rice Floret Second-Whorl Organ. ***Genetics*: 176:** 283-294. **(2007) [#]Joint first author.**

B. Reviews:

(8) **Yadav, S. R.*, Kumar, A., Neogy, A., Garg, T.** *OsMADS1/OsLHS1:* diversified regulatory functions in ensuring transition and completion of sexual reproduction in rice. ***Proc Indian Natn Sci Acad***: **83:** 67-79. **(2017) * Corresponding author**

(9) **Yadav, S. R.** and Helariutta, Y. Programmed Cell Death: New Role in Trimming the Root Tips. ***Current Biology*****: 24:** R374-R376 (Dispatch)**. (2014)**

(10) **Yadav, S. R.**[#]**,** Yan, D[#]., Sevilem, I. and Helariutta, Y. Plasmodesmata mediated intercellular signaling during plant growth and development. ***Front Plant Sci.*****: 5:**44 (Review). [#]**Joint first authors. (2014)**

(11) Lucas, W.J.[#], Groover, A.[#], Lichtenberger, R.[#], Furuta, K.[#], **Yadav, S. R.** [#], Helariutta, Y.[#], He, X.Q.[#], Fukuda, H.[#], Kang, J.[#], Brady, S.M.[#], Patrick, J.W.[#], Sperry, J.[#], Yoshida, A.[#], López-Millán, A.F.[#], Grusak, M.A.[#] and Kachroo, P.[#] The Plant Vascular System: Evolution, Development and Functions. ***J. Integr. Plant Biol.*****: 55:** 294-388. [#]**Joint first author. (2013)**

(12) **Yadav, S. R.** and Helariutta, Y. Programmed Cell Death: New Role in Trimming the Root Tips. ***Current Biology*****: 24:** R374-R376 (Dispatch)**. (2014)**

C. Book Chapter:

(13) Sevilem, I., **Yadav, S. R.,** and Helariutta. Y. Plasmodesmata - channels for intercellular signaling during plant growth and development. ***Methods in Molecular Biology*****:** 1217:3-24. doi: 10.1007/978-1-4939-1523-1_1. **(2015)**

D. Patents:

(1) Vatén, A., Dettmer, J., Miyashima, S., **Yadav, S. R.,** Campilho, A., Bulone, V., Lichtenberger, R., Lehesranta, S., Mähönen, A. P., Carlsbecker, A., Helariutta Y., Furuta, K. Title of Invention: POLYPEPTIDE: **US Patent**; Filing Date: 11/29/2012; Publication number: US 2016/0002659 A1; Publication Date:01/07/2016.

(2) Vatén, A., Dettmer, J., Miyashima, S., **Yadav, S. R.,** Campilho, A., Bulone, V., Lichtenberger, R., Lehesranta, S., Mähönen, A. P., Carlsbecker, A., Helariutta Y., Furuta, K. Title of Invention: POLYPEPTIDE: **European Patent**; Filing Date: 11/29/2012; Publication number: EP2785844 A1; Publication Date:10/08/2014.

(3) Vatén, A., Dettmer, J., Miyashima, S., **Yadav, S. R.,** Campilho, A., Bulone, V., Lichtenberger, R., Lehesranta, S., Mähönen, A. P., Carlsbecker, A., Helariutta Y., Furuta, K. Title of Invention: POLYPEPTIDE: **Chinese Patent**; Filing Date: 11/29/2012; Publication number: CN103987849 A; Publication Date:08/13/2014.

(4) Vatén, A., Dettmer, J., Miyashima, S., **Yadav, S. R.,** Campilho, A., Bulone, V., Lichtenberger, R., Lehesranta, S., Mähönen, A. P., Carlsbecker, A., Helariutta Y., Furuta, K. (2014) Title of Invention: MUTANT CALLOSE SYNTHASE: **Canada Patent**; Filing Date: 11/29/2012; Publication number: CA2856621 A1; Publication Date:06/06/2013.

(5) Vatén, A., Dettmer, J., Miyashima, S., **Yadav, S. R.,** Campilho, A., Bulone, V., Lichtenberger, R., Lehesranta, S., Mähönen, A. P., Carlsbecker, A and, Helariutta Y (2013) Use of cals3-d mutations in engineering plant metabolism and architecture. **Finnish Patent:** Patent number: FI20116212; 2013; Awarded.

(6) Vatén, A., Dettmer, J., Miyashima, S., **Yadav, S. R.,** Campilho, A., Bulone, V., Lichtenberger, R., Lehesranta, S., Mähönen, A. P., Carlsbecker, A., Helariutta Y., Furuta, K. Title of Invention: POLYPEPTIDE: **World Intellectual Property Organization Patent**; Filing Date: 11/29/2012; Publication number: WO2013079796 A1; Publication Date: 06/06/2013.