CURRICULUM VITAE

Name **MANISH KUMAR SINGH**

# Father's Name Sri Narendra Pal Singh

Date of Birth 12/02/1977

Present Address Dr. Manish Kumar Singh

Assistant Prof.

Department of Botany

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# Languages Known Hindi, English

# EDUCATIONAL QUALIFICATIONS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Exam Passed** | **Board/**  **Univ.** | **Year** | **Marks obtained** | | **%** | | **Div.** | **Subject** |
| 1. | High School | U.P. Board Allahabad | 1991 | 397/600 | | 66.1 | | I | Science |
| 2. | Intermediate | U.P. Board Allahabad | 1993 | 244/500 | | 48.8 | | II | Science |
| 3. | B.Sc. | Dr.R.M.L. Avadh Univ. Faizabad | 1996 | 1164/1800 | | 64.6 | | I | Biology |
| 4. | M.Sc. | Dr.R.M.L. Avadh Univ. Faizabad | 1998 | 782/1200 | | 65.1 | | I | **Botany** (Specialization in Plant Physiology) |
| 5. | Ph.D. | NDUAT Kumarganj Faizabad | 2003 | | 8.853 at 10 Pt scale or 88.53% | | I | | Crop Physiology |
| 6. | NET | ICAR | 2004 | | Plant Physiology | | | | |

Thesis Title Modulation of vegetative growth for optimum

fruiting in Parwal (*Trichosanthes dioica* Roxb.)

through growth regulators.

EMPLOYMENT DETAILS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of employer** | **Post held** | **Period** | | **Nature of work** |
| **From** | **To** |
| 1 | Director Research, NDUAT | SRF | 26th December 2002 | 31st March 2004 | Research |
| 2 | Hon’ble VC, NDUAT | Program  Assistant | 29th March 2005 | 12th Dec 2010 | Research/Teaching |
| 3 | DAV PG College Lucknow | Assistant Prof. | 13th Dec 2010 | 19th sep 2017 | Teaching |
| 4 | K S Saket PG College Ayodhya Faizabad | Assistant Prof. | 19th sep 2017 | Till date | Teaching |

**Work experience**

1. Worked as a Senior Research Fellow in UPCAR funded project entitled **“Physiological and Biochemical basis for adaptation of rainfed lowland rices to abiotic stresses”** in Centre of Advanced Studies in Plant Physiology, Department of Crop Physiology, N.D. University of Agriculture & Technology, Kumarganj, Faizabad. (From 26th December 2002 – To 31st March 2004).
2. Worked as a Training/Technical Assistant in Department of Plant Molecular Biology & Genetic engineering from 29th March 2005 to 12th Dec 2010.

###### Publication

###### Original Research Paper

1. Chaturvedi G.S.; B.B. Singh; A.K. Singh **Manish Kumar Singh**; J.L. Dwivedi; M.P. Singh & Sumit Chaturvedi (2003). Flood tolerance in crops: Research accomplishment of Indian scientists- *J. of Plant Biology.* **30** **(2)**: 229-240.
2. **Singh, Manish**; H.P. Singh & G.S. Chaturvedi (2004). Modification of morphological traits through plant growth regulators in pointed gourd (*Trichosanthes dioica* Roxb.) *Annals of Plant Physiology*. **18 (1)**: 17-20.
3. Srivastava Rashmi; G.S. Chaturvedi, **Manish Kumar Singh** & Amit Singh (2004). Effect of submergence on plant growth parameters of soybean (*Glycine max*). *Annals of Plant Physiology*. **18 (2)**:116-120.
4. **Singh, Manish**; G.S. Chaturvedi, A.K. Singh, Amit Singh & B.B. Singh (2005). Effect of plant growth regulators on quality parameters of pointed gourd (*Trichosanthes dioica* Roxb.). *Annals of Plant Physiology*. **19 (1)**: 17-21.
5. **G**.S. Chaturvedi, B.B. Singh, A.K. Singh, **Manish Kumar Singh** and V.N. Singh (2004). Carbohydrate accumulation and remobilization of upland and lowland rice in response to water deficit at various developmental stages. Published in proceedings of Rockefeller Foundation drought workshop “Resilient Crops for Water Limited Environments” organized by Rockefeller Foundation & CIMMYT, held at Cuernavaca, Mexico from 24-28 May.
6. **Manish Kumar Singh,** Pramila Pandey & G.S. Chaturvedi**.** Effect of submergence on growth characters of soybean. ( Scitech 2005)
7. **Manish Kumar Singh,** Pramila Pandey & G.S. Chaturvedi**.** Effect of submergence on enzyme activities (catalase and peroxidase) of soybean. (Scitech 2005).
8. Pramila Pandey, Narendra Shankar Pandey and **Manish Kumar Singh**. Biodiesel: an alternative fuel for future. *Plant Archieves* (2006).
9. Manish Kumar Singh, Effect of foliar spraying of plant growth regulaotrs on vine length, internode length and yield of pointed gourd (*Trichosanthes dioica* Roxb.) Review of Researchvol. 8 (2), 2018.

## Abstracts

* + - 1. **Singh, Manish**; H.P. Singh; G.S. Chaturvedi and R.K. Lal (2003). Modification of morpho-physiological traits in pointed gourd (*Trichosanthes dioica* Roxb.) using plant growth regulators. Published in 2nd International Congress of Plant Physiology, Organised by, Department of Plant Physiology, IARI, New Delhi, January. 8-12, 2003. Abst. No. S12-P5.
      2. **Singh, Manish Kumar**; G.S. Chaturvedi, A.K. Singh, Dhananjaya Singh& B.B. Singh (2003). Effect of Plant Growth regulators on quality parameters of pointed gourd. Published in Souvnier and Abstract of one-day satellite seminar, organized by ISAB, Palampur Chapter, Department of Plant Physiology, College of Basic Sciences, CSK HPAgricultural University, Palampur, H. P. Sept. 24. 2003. Abst No. 42.
      3. Singh, Dhananjaya, P.C. Ram, **Manish K. Singh** and B.B. Singh (2003). Ameliorative effect of zinc on growth and yield parameters of wheat (*Triticum aestivum* L.) varieties grown under saline condition. Published in Souvnier and Abstract of one-day satellite seminar, organized by ISAB, Palampur Chapter, Department of Plant Physiology, College of Basic Sciences, CSK HPAgricultural University, Palampur, H. P. Sept. 24. 2003. Abst No. 43.
      4. Singh, Nirbhay, P.C. Ram, **Manish K. Singh**, Raj Bahadur & Uma Singh (2003). Effect of seed soaking by Gibberellic acid on growth and biochemical parameters of wheat varieties (*Triticum aestivum* L.) grown under salinity. Published in Souvnier and Abstract of one-day satellite seminar, organized by ISAB, Palampur Chapter, Department of Plant Physiology, College of Basic Sciences, CSK HPAgricultural University, Palampur, H. P. Sept. 24. 2003. Abst No. 48.
      5. Singh Uma, P. C. Ram, **Manish K. Singh** & Nirbhay Singh (2003). Effect of GA3 on growth and biochemical aspects of Urd bean under salinity. Published in Souvnier and Abstract of one-day satellite seminar, organized by ISAB, Palampur Chapter, Department of Plant Physiology, College of Basic Sciences, CSK HPAgricultural University, Palampur, H. P. Sept. 24. 2003. Abst No. 49.
      6. Chaturvedi, G.S., B. B. Singh, **Manish K. Singh**, A.K. Singh, J.L. Dwivedi, M.P. Singh & Sumit Chaturvedi (2003). Flood tolerance in crops: Research accomplishment of Indian scientists. Published in National Symposium on Improving crop Productivity in an Ecofriendly Environment: Physiological and Molecular approaches organized by Deptt. of Plant Physiology, College of Basic Sciences and Humanities. G.B.P.U.A.T., Pant nagar, Uttaranchal. Oct 15-17, 2003. Abst No. IL/ 13.
      7. **G**.S. Chaturvedi, B.B. Singh, A.K. Singh, **Manish Kumar Singh** and V.N. Singh (2004). Carbohydrate accumulation and remobilization of upland and lowland rice in response to water deficit at various developmental stages. Published in proceedings of Rockefeller Foundation drought workshop “Resilient Crops for Water Limited Environments” organized by Rockefeller Foundation & CIMMYT, held at Cuernavaca, Mexico from 24-28 May.
      8. Dubey, Ambesh, A.H. Khan, A.K. Singh, **Manish K. Singh** & G.S. Chaturvedi (2004). Allelopathic effects of *Ammannia bacifera* on some kharif season crops (rice, maize, black gram). Published in International workshop on Protocols and Methodologies in Allelopathy (IWPMA). Organized by Deptt. of Plant Physiology, College of Basic Sciences, CSKHP Agricultural University. April 2-4, 2004. Abst No. PS 4.12.
      9. **Manish Kumar Singh**, G.S. chaturvedi, A.K. Singh and Ambesh Dubey (2004). Effect of plant growth regulators on growth parameters and yield of pointed gourd. Published in National Seminar on Plant Physiology: Physiological basis of improving Agricultural, horticultural and medicinal plants productivity. Organized by Department of Botany, Univ. of Pune and Indian Society for Plant Physiology, New Delhi, December 27-29. Abst. No. 281 p 155.
      10. Ambesh Dubey, A.H. Khan, **Manish Kumar Singh** and A.K. singh (2004). Allelopathic effects of *Ammonnia baccifera* on some *Rabi* season crops (wheat, chickpea and Pea). Published in National Seminar on Plant Physiology: Physiological basis of improving Agricultural, horticultural and medicinal plants productivity. Organized by Department of Botany, Univ. of Pune and Indian Society for Plant Physiology, New Delhi, December 27-29. Abst. No. 34 p 18.
      11. Alok Kumar Singh, A.K. Singh, Rajput Pankaj Kumar, **Manish Kumar Singh**, and G.S. Chaturvedi (2006). Mode of zinc nutrition in improving salt tolerance of zinc-inefficient genotypes of rice (*Oryza sativa* L.) 2nd International Rice Congress 2006. Organized by IRRI Philippines & IARI New Delhi, Oct. 9-13.
      12. Rashmi Nigam, **Manish Kumar Singh**, V.N. Singh, D.P. Singh and K.N. Singh (2007). Towards developing marker aided selection for submergence tolerance in rice using TCA 48 as a donor. Published in National Seminar on Molecular Approaches for Crop improvement. Organized by Department of Plant Molecular Biology & Genetic Engineering. February 7-8. Abst No. P 2.07 p 62.
      13. N. S. pandey, P. Pandey, M.K. Singh and D.S. Shukla (2008). Potential of rapeseed (*Brassica napus*) oil as diesel engine fuel. Presented in National seminar on Physiological and biotechnological approaches to improve plant productivity. Organised by Centre for plant Biotechnology, Hisar and sponsored by KK Nanda foundation for advancement of plant science and haryana state council for science and technology; from March 15-17, 2008.

## Articles in Hindi

1- lfCt;ksa esa ikS/k o`f} fu;kedksa dk mi;ksx & **Mk0 euh"k dqekj flag** vkSj Mk0 th0 ,l0 prqosZnh & iwokZapy [ksrh& flrEcj] 2003

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5- Chilling injury in fruits and vegetables and its remediation (2006). Alok Kumar Singh, **M.K. Singh,** Ashish Kumar Srivastava and A.K. Singh. *Agriculture Update* Vol. 1(3). 8-10.

6. Agriculture in changing environment. **Manish Kumar Singh** and Alok Singh. *Agriculture Update.* Aug- Oct 2007. Vol 2 (3) p 11-12 .

7. Jaivik kheti krishi ka naya aayam- Ashutosh Singh, L.P. Verma aur **Manish Kumar Singh**- Purvanchal Kheti- July 2004.

8. Vermiwash : ek taral javik khad- Ashutosh Singh, Dr. L.P. verma aur **Dr. Manish Kumar Singh**- Krishi Mangal- April 2005.

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**Technical Qualification C**ompleted one-year diploma in Information and system   
 management (DISM) from **Aptech Computer   
 Education, Faizabad.**

**Instrument handled**  1- Electrophoresis – Atto Make.

2-Plant Efficiency Analyser (PEA) made by Hansatech   
 Instrument Ltd. (England)

3- Steady State Porometer made by LI-COR (USA)

4 – UV Spectro photometer made by Shimadzu, Japan

5- Atomic Absorption Spectrophotometer (Model-SL 173)   
 made by Elico India

# 6- Delta Image Analysis System made by Delta-T

devices Ltd. Cambridge (U.K.)

**Techniques known** 1. SDS PAGE

2. DNA Isolation

3. Agrose Gel Electrophoresis

## Referees

* **Dr. Praveen Kumar**, Head Department of Zoology and Dean Science Faculty, DAV PG College, Lucknow. Phone : 9839025422
* **Dr Abhay Singh,** Department of defence studies, K S Saket PG College, Ayodhya mob 9415701533

**Declaration**

I hereby declare that the above information’s are true/ correct to the best of my knowledge & belief.

**Date:**

**Place:**

**(MANISH KUMAR SINGH)**