

# RESUME

**NAME: DR. UMESH THAPA Ph.D., Post- Doc (Italy)**

**DESIGNATION: Professor & Former Director of Extension Education**

**CONTACTS:**

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:** Department of Vegetable Science, Faculty of Horticulture, BCKV, P.O. Krishi Viswavidyalaya, Mohanpur , Nadia -741252 , West Bengal



2. **PHONE :** Mobile: +91 9123789009/ +91 9830234577  
WhatsApp: 9123789009

3. **EMAIL :** Institutional: thapa.umesh@bckv.edu.in  
Alternative: drumesh.thapa@gmail.com

4. **ORCID ID:** [org//orcid.org/0000-0002-8965-4750](https://orcid.org/0000-0002-8965-4750)

5. **GOOGLE SCHOLAR PROFILE:** <https://scholar.google.com/citations?hl=en&user=JoifmNQAAAAJ>

6. **RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Umesh-Thapa-2>

7. **DATE OF BIRTH:** 16/05/1965

8. **DATE OF JOINING TO THE UNIVERSITY:** 20/10/1993

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## 9.ACADEMIC PROFILE:

| LEVEL                  | NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT                                  | INSTITUTE                  | YEAR OF PASSING /AWARDED |
|------------------------|---|----------------------------|--------------------------|
| POST-DOCTORAL RESEARCH | Post -Doc in Vegetable Science specialization in Hydroponic/Soilless Technology | University of Turin, Italy | 2009                     |
| DOCTORAL               | Ph.D. in Horticulture   | BCKV                       | 2000                     |
| MASTER'S               | M.Sc. (Ag) in Horticulture  | BCKV                       | 1989                     |
| BACHELOR'S             | B.Sc (Ag) Hons  | BCKV                       | 1987                     |

## 10.EMPLOYMENT HISTORY: (Starting from present position)

| POSITION                | ORGANIZATION   | PERIOD       |            |
|-------------------------|--|--------------|------------|
|                         |  | From (Date)  | To (Date)  |
| Professor               | Department of Vegetable Science Bidhan Chandra Krishi Viswavidyalaya   | 01.07.2010   | Continue   |
| Associate Professor     | Department of Vegetable Science , Bidhan Chandra Krishi Viswavidyalaya | 01. 01. 2006 | 30.06.2010 |
| Reader                  | Department of Vegetable Science , Bidhan Chandra Krishi Viswavidyalaya | 20.10.2002   | 31.12.2005 |
| Lecturer (Senior Scale) | Department of Vegetable Science , Bidhan Chandra Krishi Viswavidyalaya | 20.01.1999   | 19.10.2002 |
| Lecturer                | Department of Vegetable Science , Bidhan Chandra Krishi Viswavidyalaya | 31.12.1997   | 19.01.1999 |
| Lecturer (Research)     | Krishi Vigyan Kendra, Kalimpong, BCKV                                  | 20.10.1993   | 30.12.1997 |

**11.ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)**

| SL. NO. | NAME OF THE POST(S)/ RESPONSIBILITY(IES)  | PERIOD                         |                                   |
|---------|---|--------------------------------|-----------------------------------|
|         |   | From (Date)                    | To (Date)                         |
| 1.      | Chairman, Placement Cell, BCKV  | 12 <sup>th</sup> , March, 2025 | Continue                          |
| 2.      | Director of Extension Education, Directorate of Extension Education, BCKV, Mohanpur , Nadia , WB                  | 19th August, 2020              | 19th August, 2023                 |
| 3.      | In-Charge, Farmers Academy and Convention Centre, BCKV, Lake Hall , Kalyani                                       | 1 <sup>st</sup> June, 2021     | 26 <sup>th</sup> , December, 2023 |
| 4.      | Course Director , DAESI, Farmer's Academy Centre , Lake Hal , BCKV, Kalyani                                       | 1 <sup>st</sup> June, 2021     | 26 <sup>th</sup> , December, 2023 |
| 5.      | Course Coordinator ,Nodal Centre , Online ISSRO Outreach Training Programme                                       | 17th August 2020               | Continue                          |
| 6.      | Secretary, Faculty Council for UG and PG Studies, Faculty of Horticulture, BCKV, Mohanpur , Nadia ,West Bengal    | 11th June, 2019                | 10th November, 2020               |
| 7.      | Dean Students' Welfare, BCKV, Mohanpur , Nadia ,West Bengal   | 12th February 2017             | 27th July, 2017                   |
| 8.      | Head of the Department of Vegetable Crops, Faculty of Horticulture , BCKV , Mohanpur , Nadia , West Bengal        | 8th May, 2010                  | 7th May 2014                      |
| 9.      | Acting Head of the Department of Vegetable Crops, Faculty of Horticulture , BCKV , Mohanpur , Nadia , West Bengal | 20th November, 2019            | 19th February 2020                |
| 10.     | Provost , CV Raman Hall, BCKV , Mohanpur , Nadia , West Bengal  | January 2012-                  | February 2015                     |
| 11.     | PI, All India Network Project on Onion and Garlic   | 24.07.2020                     | Continue                          |

**12.AREA OF RESEARCH: (Bulleted list)**

- Protected cultivation and hydroponic/soilless culture systems for high-value vegetable production
- Microgreens: innovative production technologies and nutritional evaluation
- Vegetable grafting for stress tolerance and productivity enhancement
- Breeding and genetic improvement of vegetables (Winged bean, Garden Pea Brinjal, Teasle gourd, etc.) and promotion of underutilized crops
- Seed production and quality enhancement in vegetables
- Nutrient, PGS and Biostimulant management strategies for sustainable vegetable production
- Organic Farming

**13. COURSES ASSOCIATED WITH:**

| LEVEL | COURSE NO. | COURSE TITLE | CREDIT | REMARKS |
|-------|------------|--------------|--------|---------|
|-------|------------|--------------|--------|---------|

|                      |                |  |         |   |
|----------------------|----------------|--|---------|---|
| <b>UNDERGRADUATE</b> | HORT107        | Fundamental of Horticultural Crops                             | 1+1(2)  | B.Sc.(Hons) Ag. First semester                |
|                      | HORT 209       | Production Technology of Vegetable and Spices                  | 1+1(2)  | B.Sc.(Hons) Ag. Fourth Semester               |
|                      | AEMP 310       | Protected Cultivation and Secondary Agriculture                | 1+1(2)  | B.Sc. (Hons) Ag. Fifth Semester               |
|                      | HORT 152       | Tropical & Subtropical Vegetables                              | 1+1(2)  | B.Sc(Hons) Hort Second Semester               |
|                      | HORT 202       | Temperate Vegetables   | 1+1(2)  | B.Sc(Hons) Hort Third Semester                |
|                      | HORT 206       | Weed management in Horticultural Crops                         | 1+1(2)  | B.Sc(Hons) Hort Third Semester                |
|                      | HORT 204       | Precession Farming and Protected Cultivation                   | 2+1 (3) | B.Sc(Hons) Hort Third Semester                |
|                      | HORT 203       | Urban and Peri-urban Horticulture                              | 1+1 (2) | B.Sc(Hons) Hort Third Semester                |
|                      | HORT 253       | Commercial Vegetable Production                                | 3+1 (4) | B.Sc(Hons) Hort 4 <sup>th</sup> Semester      |
|                      | HORT 357       | Integrated Farming System                                      | 2+1(3)  | B.Sc(Hons) Hort 6 <sup>th</sup> Semester      |
|                      |                |  |         |   |
| <b>POST GRADUATE</b> | <b>VSC 501</b> | Production of Cool Season Vegetable Crops                      | 2+1(3)  | M.Sc.(Hort) Vegetable Science First Semester  |
|                      | <b>VSC 502</b> | Production of warm Season Vegetable Crops                      | 2+1(3)  | M.Sc.(Hort) Vegetable Science Second Semester |
|                      | <b>VSC503</b>  | Growth and Development of Vegetable Crops                      | 2+1(3)  | M.Sc.(Hort) Vegetable Science First Semester  |
|                      | <b>VSC509</b>  | Production of Underutilised Vegetable Crops                    | 2+1(3)  | M.Sc.(Hort) Vegetable Science Third Semester  |
|                      | <b>VSC511</b>  | Organic Vegetable Production                                   | 2+1(3)  | M.Sc.(Hort) Vegetable Science Third Semester  |
|                      | <b>VSC507</b>  | Protected Cultivation of Vegetable Crops                       | 1+1 (2) | M.Sc.(Hort) Vegetable Science Second Semester |
| <b>Ph.D.</b>         | <b>VSC601</b>  | Recent Trends in Vegetable Production                          | 3+0(3)  | Ph.D. First Semester                          |
|                      | <b>VSC604</b>  | Seed Certification , Processing and Storage of Vegetable Crops | 2+1(3)  | Ph.D. Second Semester                         |

**14. NUMBER OF STUDENTS SUPERVISED:**

**Master's. 26 (Completed) 01(Continue) Doctoral: 14 (Completed) 04 (Continue)**

## 15. PROJECT ACTIVITIES

| SL. NO. | TITLE OF THE PROJECT  | FUNDING AGENCY  | ONGOING/ COMPLETED    | PI/ Co-PI |
|---------|---|---|-----------------------|-----------|
| 1.      | All India Network Research Project on Onion and Garlic  | Directorate of Onion and Garlic Research, ICAR Rajgurungar , Pune 410505        | 2020 – Continue       | PI        |
| 2.      | Studies on Bio-efficacy and phytotoxicity on Growth and Yield of Brinjal and Bhindi   | Penshibao Wang Private Limited  | 2023- Continue        | PI        |
| 3.      | Studies on production potential, quality improvement & fertility build up of soil under intensive cropping through INM Co- Investigator         | Bio – Farming India Pvt. Ltd  | Completed (2002-2004) | Co-PI     |
| 4.      | Ad-hoc Research project on Export Oriented Vegetable Production under low cost polyhouse  | APEDA , Govt. of India  | Completed (2004-2006) | Co-PI     |
| 5.      | Ad-hoc Research project on Production Technology of Gherkin – A potential Vege  | Deptt. Of Food Processing Industries & Hort., Govt. of West Bengal              | Completed (2004-2006) | Co-PI     |
| 6.      | Ad-hoc Research project on Standardization of agro techniques for quality seed production of Onion under Gangetic alluvial plain of West Bengal | Deptt. Of Food Processing Industries & Hort., Govt. of West Bengal              | Completed (2006-2009) | Co-PI     |
| 7.      | Ad-hoc Research project on Development of Production Technology of High value Cole crop   | Deptt. Of Food Processing Industries & Hort., Govt. of West Bengal              | Completed (2006-2008) | PI        |
| 8.      | Evaluation of Bioefficacy of Ethephon 39% SL on tomato and pineapple  | Crystal Phosphorous Ltd. Azadpur , New Delhi                                    | Completed (2010-2012) | PI        |
| 9.      | Bioefficacy evaluation of Ethephon 39%Slon Tomato Principle Investigator  | M/S United Chemicals, Registration Department B-371, Meera Bagh, Delhi – 110087 | Completed (2015-2016) | PI        |
| 10.     | Assessing of the performance of Opteine and Pilatus on growth, yield and quality of some vegetables   | Arystra Life Science India Ltd.123/124 Mittal Chambers, 12 <sup>th</sup>        | Completed (2015-2017) | PI        |

|     |  |  |                       |              |
|-----|--|--|-----------------------|--------------|
|     |  | Floor, Nariman Point Mumbai 400021   |                       |              |
| 11. | Response of biological products ( Proventus, Rhizo Myco & Rhizo Myx) on growth and quality of Tomato   | M/S Novozymes South (Asia) Pvt. Ltd  | Completed (2017-2018) | <b>Co-PI</b> |
| 12. | Assessment of Biostimulant (Modulin ) on growth and yield of Okra. Principle Investigator  | Company Limited 8/23-24, Race Course Road, Coimbatore  | Completed (2021-2022) | <b>PI</b>    |
| 13. | Studies on efficacy of AGMA Foliar for growth and yield of Tomato (Solanum lycopersicum), Potato (Solanum tuberosum), Rice (Oryza sativa) and response of AGMA-Bio-Stimulant granules on rice” | Agma Energy Pvt. Ltd Plot no. 26, Panchratna Industrial Estate B/H Laxminarayan Petrol Pump, Sarkej Bavia Highway Changgodar , Tal: Sanand, Dist: Ahmedabad, Gujrat 382213 | Completed (2022-2023) | <b>PI</b>    |
| 14. | Studies on the Bio-efficacy , Phyto-toxicity , Growth and Yield of Tomato (solanum lycopersicum ) and Chilli ( capsicum sp.) as influenced by seaweed extract                                  | Indofil Industries Limited Kalpataru Square, 4th Floor , Kondivita Road, off Andheri Kurla Road , Andheri(E) Mumbai-400059   | Completed (2022-2023) | <b>PI</b>    |
| 15. | Impact of Biostimulant on growth and yield of Tomato, Potato and Chilli  | Elemental Enzymes in India Private Ltd. B-40, Gali No.1 West Vinod Nagar , Delhi -110092   | Completed (2023-2024) | <b>PI</b>    |

**16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME****A. ORGANIZED**

| <b>SL. NO.</b> | <b>NAME OF THE PROGRAMME</b>   | <b>DURATION</b>                                  | <b>PLACE</b>  | <b>ROLE</b>   |
|----------------|--|--|---|---|
| <b>1.</b>      | HRD Training Programme on “ Novel Pragmatic Approaches for Crops Improvement , Production and Management                                     | 22-24 <sup>th</sup> ,<br>March , 2021            | Seminar Hall,<br>Directorate of Extension Education, BCKV, Mohanpur | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |
| <b>2.</b>      | Training programme on “Hydroponic and Protected Cultivation” in association with ATMA , Siliguri   | 8th & 9th<br>April , 2021                        | Seminar Hall,<br>Directorate of Extension Education, BCKV, Mohanpur | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |
| <b>3.</b>      | 2 days Training on “Entrepreneurship Development through Hi-Tech Horticulture  | 6th - 7th ,<br>August, 2021                      | Seminar Hall,<br>Directorate of Extension Education, BCKV, Mohanpur | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |
| <b>4.</b>      | 3Days workshop –cum training Training Programme on “ Transfer of Ready –to use & Farmers friendly Technologies Developed by BCKV             | 29 <sup>th</sup> Sept-<br>1st , October, 2021    | Conference Hall,<br>FACC,, BCKV, Kalyan                             | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |
| <b>5.</b>      | 2 days human resource development (HRD) training programme on "Recent Development in Agriculture for Sustainable Farming"                    | November<br>17-18, 2022                          | Seminar Hall,<br>Directorate of Extension Education, BCKV, Mohanpur | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |
| <b>6.</b>      | 2 Days HRD Training Programmer on “Innovative Approaches in Agriculture Horticulture and Allied Sector with Special Focus on Natural Farming | 30 <sup>th</sup> -31 <sup>st</sup><br>March 2023 | Seminar Hall,<br>Directorate of Extension Education, BCKV, Mohanpur | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |

**17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc****A. ORGANIZED**

| <b>SL. NO.</b> | <b>NAME OF THE PROGRAMME</b>  | <b>DURATION</b>                                | <b>PLACE</b>   | <b>ROLE</b>   |
|----------------|---|--|--|---|
| <b>1.</b>      | Two Days Seminar/ Webinar on Entrepreneurship Development Through Horticulture                      | 6 <sup>th</sup> & 7 <sup>th</sup> August, 2021 | Seminar Hall, Directorate of Extension Education, BCKV, Mohanpur | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |
| <b>2.</b>      | One Day workshop on “Production Technology on Millet Cultivation for ensuring Nutritional Security” | 29 <sup>th</sup> March 2023,                   | Seminar Hall, Directorate of Extension Education, BCKV, Mohanpur | <b>(Organizing Secretary)</b><br>As Director of Extension Education Organized the programme |
|                |   |  |  |   |

**18. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):****PATENTS:**

| <b>SL NO.</b> | <b>DESIGN PATENT</b>                                  | <b>CERTIFICATE DESIGN APPROVED NO</b> | <b>ISSUE DATE</b>                           |
|---------------|---|---------------------------------------|---|
| 1.            | AUTOMATED COMPACT ROBOT FOR URBAN VEGETABLE GARDENING | 422534-001                            | Certificated of Design issued on 07.07.24   |
| 2.            | AUTOMATED HYDROPONIC DEVICE WITH NUTRIENT MANAGEMENT  | 423570-001                            | Certificated of Design issued on 13.01.2025 |

**AWARDS:**

- Received Life Time Achievement Award on the occasion of International Conference on Protected Cultivation of Horticultural Crops, Post- harvest handling and Digital Agriculture during 29<sup>th</sup> to 30<sup>th</sup>, November, 2023 by SHUATS Department of Horticulture, SHUATS, Prayagraj (Allahabad) Uttar Pradesh- 211007
- Received Eminent Scientist Award in the field of Vegetable Science on the occasion of 5th International Conference on Climate Change and its Impact during 9-11th June, 2023 by AETDS at Sher-e-Kashmir University of Agricultural Sciences and Technology, Srinagar, J&K
- Received Eminent Professor Award by International Multidisciplinary Research Foundation on the eve of India's 73rd Republic Day on 26th, January 2022 at IMRF Institute of Higher Education & Research, Vijayawada, Andhra Pradesh

- Received Bharat Jyoti Award by India International Friendship Society in a seminar on Economic Growth & National Integration at New Delhi on 12th , November, 2021.
- Received Outstanding Scientist Award in the International Scientist Awards on Engineering, Science and Medicine, held on 22&23rd , October, 2021 , Hyderabad, India organized by VDGGOOD Professional Association
- Received Bharat Vikas Award from Institute of Self Reliance, Bhubaneswar on the occasion of National Seminar Diversity of Culture & Social Environment on 19th November, 2017.
- Received “Eminent Scientist Award” during National Seminar on Farmer Centric Cinema on 14th – 16th October, 2017 organized by Samagra Vikas Welfare Society & ICAR – Indian Institute of Sugarcane, Research.
- Received Reviewer Excellence Award as Reviewer of Indian Journal of Agricultural Research & Legume Research from the Editors of ARCC Journal, 19th November, 2016
- Received Achiever Award -2016 from Society for Advancement of Human and Nature (SADHNA) Dr. YS Parmar University of Horticulture and Forestry , Nauni, Solan 173230 , Himachal Pradesh.
- Received “Excellence in Research Award” during 4TH Academic Brilliance Awards-2016 from EET CRS RESEARCH &BRANDING , Education Expo TV . Greater Noida-201308,( Delhi NCR) UP, India
- Received “Distinguished Scientist” Award during VIFRA-2015 from Venus International Society , Chennai.
- Awarded Best poster presentation during National Seminar on Protected Cultivation of Horticultural Crops and Value addition organized by Department of Horticulture , SHIATS, Allahabad (2013)
- Awarded First Prize for poster presentation during National Symposium on “Sustainable Production and Export of Horticultural crops” organized by Society for the Advancement of Horticulture & Faculty of Horticulture BCKV. (2007)

#### **RECOGNITION / APPRECIATION /HONOURS**

- Received Certificate of Recognition from Scientific Federation for worthy Keynote presentation during “International Congress and expo on Agriculture & Horticulture held during August 13-14 , 2018 at Amsterdam , Netherland
- Received Certificate of Appreciation for delivering a lead Lecture and valuable contribution on Soilless Cultivation, in Two Days National Webinar on Hi- Tech Horticulture, held on 16<sup>th</sup> -17<sup>th</sup> May, 2020, organized by Society for Advancement in Agriculture, Horticulture and Allied Sectors , Allahabad
- Received Certificate of Appreciation for actively act as a Chairperson in Two days National Webinar on Role of Rootstock in Fruit and Vegetable Crops for Improving Yield and Quality held on 4<sup>th</sup> & 5<sup>th</sup> July, 2020 organized by Society for Advancement in Agriculture, Horticulture and Allied Sectors, Allahabad



- Received Certificate of Appreciation for delivering a Lead Lecture on High Value Vegetables in Soilless / Hydroponic Culture in one day National workshop on Hydroponic and soilless culture on 1<sup>st</sup> March, 2021 organized by Department of Horticulture SHUATS in association with Society of Advancement in Agriculture, Horticulture and Allied Sectors, SAAHAS, Allahabad
- Received Certificate of Appreciation as a Resource person to deliver lecture on ‘Entrepreneurship in hydroponic farming of export oriented high value vegetables’ on 5-week Training in Export-oriented Floriculture, Horticulture and Allied Business On 30.04.2021 Organized by Enterprise Development Institute IB - 194, Sector-III, Salt Lake, Kolkata-700106
- Received Certificate of Appreciation as Guest lecture on “Hydroponics- Future of Food without Soil” at ITM University Gwalior during the period 12<sup>th</sup> – 13<sup>th</sup>, October, 2023
- Received Certificate of Appreciation for acting as Chairman of the Session in 5<sup>th</sup> International Conference on “Climate change and its Impact -Theme 2 at Sher-e-Kashmir University of Agricultural Science and Technology, Kashmir during June 9-11, 2023
- Received Certificate of Appreciation for delivering lecture on Reuse of fruit and vegetable Kitchen Wastes on 13.02.2024 in ICAR , New Delhi Sponsored 10days Short course on “Sustainable Horticultural Waste management : Industrial and Environmental Perspective” held from 5<sup>th</sup> to 14<sup>th</sup> February, 2024 organised by College of Horticulture, Bagalkot (UHS, Bagalkot)
- Received Certificate of appreciation for imparting valuable Knowledge and Expertise in the Hands on Training session on “Next Generation Vegetable Farming: 6 days Immersive Course in Hydroponic and Protected Horticulture organized by Institutions of Innovation Council (IIC) Seacom Skills University, 19<sup>th</sup> 24<sup>th</sup>, August 2024
- Received Certificate of Appreciation as a Resource Persons and Session Chair in the National Seminar on “Growing Greener Strengthening Horticulture, through Innovations, sustainability and market Access “organised by the faculty of management and Commerce, The ICFAI, University Tripura in collaboration with the NABARD on March 19, 2024

**19. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):**

- **Awarded International Fellowship from Government of Italy under New India Project (A.F.2007) for Post doctoral Research** at University of Turin, Italy in the Department of Agronomy, Forest and Land Management, Vegetable Crops – Medicinal and Aromatic plants.

## 20. PUBLICATIONS

### BOOKS:

- **U. Thapa and P. Tripathy ,(2006). Organic Farming in India “Problems and Prospects”** 'Published by Agro – Tech Publishing House, Udaipur, Rajasthan. India. ISBN 81-8321-033-3
- **U. Thapa., A. B. Sharangi, and A.K. Pal ,(2006). “Varieties of Horticultural Crops”** Published by Agro – Tech Publishing House, Udaipur, Rajasthan. India ISBN 81-8321-032-5
- **U. Thapa and P.(2014) Tripathy. ”Production technology of Tropical and Sub-Tropical Vegetables”** 'Published by Agro – Tech Publishing House, Udaipur, Rajasthan. India. Pp. 1- 344, ISBN : 978818321-335-6
- **U. Thapa and P. Tripathy (2014) ” Physiological Disorders & Mineral Defficiency of Vegetables.”** 'Published by Agro – Tech Publishing House, Udaipur, Rajasthan. India. Pp. 1- 285 ISBN : 978-81-8321-378-3
- **U. Thapa and P. Tripathy ( 2015) ”Glimpse of Vegetable Science.”** Published by Agro India Publications. Allahabad. pp. 1-228
- **U. Thapa and P. Tripathy.(2017) Production technology of Temperate Vegetables”** 'Published by Agro – Tech Publishing House, Udaipur, Rajasthan. India. Pp. 1- 344, ISBN : 978-81-8321-426-1
- **U. Thapa,; P. Tripathy and C.P. Suresh (2018) Glimpses on Horticultures”** 'Published by Agro – Tech Publishing House, Udaipur, Rajasthan. India. Pp. 1- 703, ISBN:978-81-8321-44-9
- **U. Thapa, R. Mondal and P. Tripathy.(2019) Production technology of Potato & Tuber Crops ”** 'Published by Today & Tomorrow Printers and Publishers, Daryaganj , New Delhi. India. Pp. 1- 449, ISBN : 81-7019-636-4
- **Satish Kumar Subba, Umesh Thapa and Pinkey Dukpa (2018) “Compendium of Vegetables ”**'Published by Kalyani Publisher , Sector -67, pp ISBN: 978=93-272-9291-6
- **U. Thapa, P. Tripathy and A. Updhyay (2021) Production technology of Underexploited Vegetables ”** Published by Today & Tomorrow Printers and Publishers, Daryaganj , New Delhi. India. Pp. 1- 374, ISBN : 81-7019-678-X
- **S. Roy , U.Thapa and C. Karak (2023) “Production Technology of Vegetable and Spices ” .”** Published by Agro India Publications. Allahabad. pp. 1-526 ISBN 978-93-84188-19-1

- N.N. Hansda and U. Thapa (2024) “Instant Objective Vegetable Science”  
Published by NewDelhi Publication , New Delhi India pp.1-265 ISBN 978-81-19006-
- U. Thapa, N.N. Hansda , S. Karak , P. Tripathy and S. Nandi (2024) “ Precision Farming and Protected Cultivation ” Published by Today & Tomorrow Printers and Publishers, Daryaganj , New Delhi. India. Pp.1-339 ISBN 9789391734800
- U. Thapa, C.R. Prakash and N.K. Singh (2024) “Agribusiness Management” by Heduna peer International Research and Reviews publishing pp 1- 116 ISBN- 978-81-971664-7-1
- A. Ghosal , S. Karak and U. Thapa (2024) “Basics of Natural Farming” Published by Today & Tomorrow Printers and Publishers, Daryaganj , New Delhi. India. Pp 1- 166 ISBN 9788197361296
- A. O. Rahaman , U. Thapa , S. Kundu , S. Karak and N. N. Hansda (2024) “Basic Concepts of Biostimulant ” Published by Agro India Publications. Allahabad. pp. 1-526 978-93-84188-23-8
- U. Thapa ., P. Dukpha and S. Roy (2024) “Handbook of Hydroponic ” Published by Ninetales Publishing , Pp 1- 229 ISBN : 978-93-48188-21-1
- B, Thapa., B , Maruthi , S. Roy, U. Thapa and P. K. Pandey . ( 2025) “Vegetable Breeding : Principles and Application ” Published by Elite Publishing House , H-1/60 , Sector-16 , Rohini, New Delhi-110089 Pp 1-341 , ISBN: 978-93-58991-87-1

#### A. RESEARCH PAPERS (Best 10)

1. Thapa, U., Maity, T.K. and Pati, M.K. (2002) Effect of planting date and variety on seed production of early cauliflower. *Veg. Sci.*, **29**(2): 189-190.
2. Thapa, U. and Maity, T. K. (2004) Influence of nitrogen, phosphorous and numbers of cutting on seed yield of Fenugreek (*Trigonella foenum-graecum*), *Seed Res.* **32**(1):33-35.
3. Thapa, U., Das, R., Mandal, A.R. and Maity, T. K. (2004) Growth and seed yield of onion (*Allium cepa* L.) as influenced by spacing and bulb size. *Seed Res.* **32** (2):126-129.
4. Thapa, U. and R, Rai. (2012) Evaluation of Sprouting broccoli ( *Brassica oleracea* var. *italica*) genotypes for growth , yield and quality. *International Journal of Agriculture Sciences*. **4** (7) : 284 -286
5. Thapa , U.; Rai . Rashmi ,; Lyngdoh , Y.A. , Chattopadhyay , S.B. and Prasad , P.H. ( 2013) Assessment of producing quality sprouting broccoli (*Brassica oleracea* L. var. *italica* Plenck) under cover and open condition. *African Journal of Agricultural Research*. **8**( 15) : 1315-1318
6. Thapa , U., Prasad P.H and Rai , R. (2016) Studies on growth, yield and quality of broccoli (*Brassica oleracea* L.var *italica* Plenck) as influenced by boron and molybdenum. *Journal of Plant Nutrition* **39**(2): 261-267
7. Thapa , U., Mondal, R., Mallick, D. and Das , A (2016) Standardization of Growing media for growth , yield and quality of Sweet Pepper ( *Capsicum annuum*) under soilless culture. *The Ecoscan* , special Issue , 9, 395-400.

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Signature with Date