

BIO-DATA OF Dr.Arun Bhatt

Name:	Dr.Arun Bhatt
Father's Name:	Shri. Kalika Prasad Bhatt
Mother's Name:	Smt. Kamla Bhatt
Postal Address:	Assistnt Professor, Department of Biotechnology ,G.B Pant Engineering College,Ghurda ,Pauri Garhwal-246194(Uttarakhnd)
Permanent Address:	Dr.Arun Bhatt,S/O Shri. K.P.Bhatt,72,Doon Officers' Enclave, Chandra Bani ,Choyla Dehradun,Uttarakhand
E.mail Address:	arun.bhatt@rediffmail.com,mailarunbhatt@gmail.com

Educational Qualifications:

Exam Passed	Year	Board/University	%	Subjects
Ph.D.	2003	G.B.PantUniversityofAgriculture and & Technology,Pantnagar(Uttarakhand)	79.57	Genetics &Plant Breeding Specialization: 1.Molecular Biology &Biotechnology 2.Vegetable Science
M.Sc.(Ag.)	2000	G.B.PantUniversityofAgriculture and & Technology,Pantnagar(Uttarakhand)	78.20	Genetics & Plant Breeding
B.Sc. (Ag.& A.H.)	1998	G.B.Pant University of Agriculture & Technology,Pantnagar(Uttarakhand)	80.72	Agriculture and Animal Husbandry Specialization:1.Horticulture
Intermediate	1994	U.P.Board,Allahabad	75.40	Hindi,Engg.Physics,Chemistry & Mathmatics
High School	1992	U.P.Board,Allahabad	79.50	Hindi,Engg.Science,Mathmatics, Biology, & Social Science

Employment (Research & Teaching):

S.NO.	Name of the Employer	Position	Salary	Duration
1.	G.B. Pant Engg. College, Pauri-Garhwal	Asst. Prof.(S.G.)	15600-39100 AGP of 8000	5 th May 2016 to till date
2.	VCSGUUHF,Bharsar, Pauri Garhwal	Assoc Prof (Deputation)	37400-67000 G.P.9000	21 st July 2012 to 5 th May 2016
3.	G.B. Pant Engg. College, Pauri-Garhwal	Lecturer /Asst. Prof.(S.G.)	15600-39100 AGP of 7000	1 st Feb,2010 to 30 th July 20120
4.	G.B. Pant Engg. College, Pauri-Garhwal	Lecturer /Asst. Prof.	15600-39100 AGP of 6000	1 st Feb,2006 to 31 th Jan 2010
5.	H.N.B.G.U.Srinagar	Lecturer	12000/-Fixed	9 th June 2005 to 31 st January 2006
6.	G.B.P.U.A.& T.Pantnagar	S.R.F.	8000/-Fixed	6 th July 2004 to 8 th June 2005
7.	G.B.P.U.A.& T.Pantnagar	S.R.F.	8000/-Fixed	14 th May 2004 to 5 th July 2004
8.	G.B.P.U.A.& T.Pantnagar	S.R.F.	8000/-Fixed	28 th September 2003 to 31 st December 2003
9.	G.B.P.U.A.& T.Pantnagar	S.R.F.	8000/-Fixed	21 st September 2000 to 20 th September 2003

List of M. Tech. (Biotechnology) Dissertations

(as Internal Supervisor)

Sr. No.	Name of the Candidate(s)	Title of Dissertation	External Supervisor / Institution(s)
1.	Triloki Nath Gupta	Isolation and biochemical analysis of alpha amylase isolated from <i>Bacillus amyloliquefaciens</i> and optimization of culture condition of <i>Bacillus</i> stress condition	Dr. Ajit K. Srivastava, Project Manager, CloneGen Biotechnology Pvt. Ltd. C-95, Sector 2, Noida, 201 301
2.	Mala Sachan	Assessment of estrogenic potential of endosulfan	Dr. D.K Saxena (Embryotoxicogy) & Dr. A.B Pant (<i>In vitro</i> Toxicology), ITRC (CSIR), Lucknow
3.	Mamta Pant	Effect of ABA and BAP on chlorophyll catabolism in excised <i>Piper betle</i> L. leaf	Dr. Nikhil Kumar, Scientist, Betel Vine Biotechnology Lab, Scientist, NBRI (CSIR), Lucknow
4.	Kirti Shitiz	Purification of Mycobacterial proteins by affinity chromatography	Dr. Y. Singh, Scientist F, IGIB (CSIR), Delhi University Campus, Mall Road, Delhi-110 007
5.	Diwakar K. Singh	Molecular characterization and bacterial expression of PMIT gene from tomato	Dr. Manoj Majee, Scientist, NIPGR, Aruna Asaf Ali Road, JNU Campus, New Delhi-67
6.	Brjesh Bhatt	Studies on generation of ethyl esters of <i>Jatropha curcas</i> L. oil and its use as fuel blend for a CI engine	Dr. A.K. Dubey, Principal Scientist, Central Institute of Agricultural Engineering (ICAR), Nabi Bagh, Berasia Road, Bhopal-462 038
7.	Aroma Jain	Genetic variability in the Cprm of dengue virus type 1 (DENV-1) circulating in Delhi	Dr. Arvind Rai, Jt. Director & Head, NICD (DGHS), 22 – Sham Nath Marg, Delhi-54
8.	Anuj Kumar	Bioactive peptide from cereal and pulses	Professor S. Chand, Department of Biochemical Engineering & Biotechnology, IIT, Delhi-16
9.	Anand Pandey	Investigation and characterization of side population from mouse embryonic stem cells	Dr. N. Lenka, Scientist D, NCCS, Pune – 411 007
10.	Abhishek K. Singh	Harnessing of sustainable energy in the form of biohydrogen and bioelectricity from waste water treatment using dark fermentation	Dr. S. Venkta Mohan, Scientist, BEEC, IICT, Hyderabad

List of Students completed /Pursuing M.Sc./M.Tech/Ph.D. dissertations from Uttarakhand Technical University:

1. Mr.Sumit Purohit(Awarded)
- 2.Mr.Saurav Jain(Submitted)
- 3.Mr.Ravindra Kumar(Pursuing)
- 3.Mr.Ajay Uniyal(Pursuing)
- 4.Mr.Babu Ram(Pursuing)
- 5.Mrs.Shruti Agarwal(Pursuing)
- 6.Mr Pradeep Tiwari(Pursuing)
- 7.Mrs Neelam Tiwari(Pursuing)
- 8.Sunil Kumar (Completed)
- 9.Sandeep Kughshal(Completed)

Evaluator, paper setter and external examiner of Following University

- 1.H.N.B.Garhwal Central University,Srinagar Garhwal,Uttarakhand
- 2.Sridev Suman Uttarakhand Vishwavidhyalay,Badshahithaul,Tehri Garhwal,Uttarakhand
- 3.G.B.Pant University of Agriculture and Technology,Pantnagar,Uttarakhand
- 4.Kumaon University Nainital,Uttarakhand
- 5.Uttarakhand technical University,Dehradun,Uttarakhand
- 6.M.J.P.Ruhelkhand University,Bareilly,U.P.
- 7.Sam Higginbottom Institute of Agriculture,Technology & Sciences,Allahabaad,U.P.
- 8.Barkhatulla University,Bhopal,Madhya Pradesh
- 9.M.J.P.Ruhelkhand University,Bareilly,Uttar Praadesh
- 10.VCSGUUHF,Bharsar,Pauri Garhwal

Academic and Administrative Responsibilities at G.B.Pant Engineering College(UTU,Dehradun):

1. **Officer In charge** Department of Biotechnology Time Table 06.09.2006 to 20.07.2012.
2. **Officer In charge** Bioinformatics Laboratory, Department of Biotechnology 06.09.2006 to 20.07.2012.
3. **Head**, Department of Biotechnology 05.02.2007 to 18.03.09.
4. **Warden** Neelkanth Boys Hostel (NBH) w.e.f.01.06.09 to 17.02.10

5. **Member** Departmental Research Committee (DRC) of Biotechnology w.e.f.17.02.10 to 20.07.2012.

6. **Warden 180 Boys Hostel** w.e.f.13.07.2011 to 31.03.2012.

7. **Observer** appointed by UTU,Dehradun for even semester examination at IMS during May-June 2011.

8. **Observer** appointed by UTU,Dehradun for odd semester examination at NIMBUS Academy of Management during Dec 2011-Jan 2012.

9. **Observer** appointed by UTU,Dehradun for even semester examination at SGRRITS,Patel Nagar during May-June 2012.

10. **Warden Raman Girls Hostel(RGH)** w.e.f. Nov 2016 to till date.

12.OIC Horticulture and Solid Waste Management we.f May 2108 to till date.

13.Nodal Officer Swach Bharat Abhiyan GBPIET,May 2018 to till date.

Academic and Administrative Responsibilities at C.F.H.A.(VCSGUUHF,Bharsar,Pauri Garhwal)

1. **Officer Incharge** College Hospital w.e.f.31st August 2012 to till date.

2. **Associate Dean Student Welfare** w.e.f 1.10.2012 to till date.

3. **Principal Investigator**, All India Coordinated Wheat and Barley Improvement Project, w.e.f.6th Nov 2012 to till date.

4. **Co-Principal Investigator**,All India Coordinated Small Millet Improvement Project,w.e.f.8th Nov 2012 to 3rd Jan 2013.

5. **Co- Principal Investigator**,All India Coordinated Network Project on Under Utilized Crops,w.e.f.12th Nov 2012 to 6th Feb 2013.

6. **Co- ,Principal Investigator**,All India Coordinated Small Millet Improvement Project,w.e.f.12th Nov 2012 to 3rd Jan 2013.

7. **Principal Investigator**,All India Coordinated Small Millet Improvement Project,w.e.f.3rd Jan 2013 to till date

8. **Principal Investigator**,All India Coordinated Network Project on Under Utilized Crops w.e.f. 6th Feb 2013 to till date.

9. **Officer In charge**, Department of Crop Improvement w.e.f. 6th Feb 2013 to till date.

10. **Officer In charge**, College Store w.e.f. 6th Feb 2013 to till date.

11. **Supervised eight** M.Sc. (Ag)Seed Science and Technology students for Thesis Resrch w.e.f.3rd Jan 2013 to till date.

12. Nominated **member of Academic Council** of VCSG,Uttarakhand University of Horticulture and Forestry,Bharsar,Pauri Garhwal w.e.f.14th March 2013 to till date.

13. Appointed **Obsrever** for conducting University Entrance Test-2015 at Birla Campus,HNBGarhwal(Central) University during July 2013,2015 and 2015.

14. Officer Incharge Department of Basic Sciences and Department of Seed Science and Technology w.e.f.3.01.2013 to till date.

15. Member of Editorial Board of Pahari Kheti Bari w.e.f. 06.09.2013 to till date.

16. Member of Screening committee for screening applications for recruitment of class III employee in KVKs and AICRP Project.

17. Member of Screening committee for screening applications for recruitment of Teaching Research Personal(TRPs) in College of Forestry ,Ranicahru.

18. Officer Incharge ,College of Forestry,Library w.e.f 20.7.2014 to till date.

Special Expertise/Competence to work as a Teacher & Scientist:

1. Capacity of carrying out, **“Animal and Plant Tissue Culture, Protein & Isozyme Electrophoresis, Molecular Marker Analysis through PCR particularly RAPD and Molecular Biology Experiments viz. Northern Blotting, Southern Blotting, Western Blotting, Restriction Digestion, Gene Transfer etc.”**
2. Having knowledge of handling, **Gas Chromatograph(GC), ELISA Reader, Spectrophotometer(UV-VIS), Nuclear Magnetic Resonance(NMR), Autoradiograph, Fermenter, Gene Gun, High Pressure Liquid Chromatography(HPLC), Automated Gene Sequencer etc.**
3. Thorough experience of using **Plant Breeding Techniques** used in **Sorghum, Vegetable, Rape-Seed & Mustard, Shisham, Small Millets and Under Utilized crops of Uttarakhand**
4. Capacity to manage **Crop Experiments** at research fields and **Front Line Demonstrations(FLDs)** at farmers' fields from Planting to Data Recording and Statistical Analysis of data by using different Mathematical and Statistical parameters.
5. Proficient in **Computer Application** as a result of exposure to several courses studied in B.Sc. Ag & A.H., M.Sc.(Ag) and Ph.D. degree programmes.

Awards, Scholarships and other Scholastic Achievements:

1. **“Young Scientist Award”** under the discipline of **Agricultural Sciences** in the First Uttaranchal State Science Congress organized by Uttaranchal State Council for Science and Technology(UCOST) at Dehradun Institute of Technology (DIT), Dehradun on Nov 10-11, 2006.
2. **“Senior Research Fellowship”** during Ph.D. under NATP project entitled, **“Breeding High Sugared Multicut Forage Sorghum Hybrids & Varieties with Enhanced Nutritional Quality”** w.e. f. September 21, 2000 to September 20, 2003
3. **“National Eligibility Test (NET) Certificate”** for Lecturership and Assistant Professorship in **Genetics** from Indian Council of Agricultural Research (ICAR) in year 2003.
4. **“Certificate Course in Computer”** from Kumaun Computer Center and Institute of Technical Knowledge, Pantnagar w.e.f. 2nd January 2002 to March 31st, 2002.
5. **“National Eligibility Test (NET) Certificate”** for Lecturership and Assistant Professorship in **Plant Breeding** from Indian Council of Agricultural Research (ICAR) in Year 2001.
6. **“University Merit cum Means Scholarship”** during Ph.D. Programme w.e.f. 7.8.2000 to 20.9.2000 under All India Co-ordinated Sorghum Improvement Project (AICSIP).
7. **“Departmental Graduate Research Assistantship”** during Master's Degree Programme under All India Co-ordinated Research Project on Agro forestry (AICRPA) w.e.f. January 1999 to June 2000.
8. **“Third Prize”** in the Kisan Mela Model Competition during M.Sc. Ag. degree programme.
9. **“Certificate in French Language”** from New Education Department of G.B. Pant University of Agriculture & Technology Pantnagar .
10. **“Appreciation Certificate”** from New Education Department of G.B. Pant University of Agriculture & Technology Pantnagar.
11. **“National Scholarship”** during B.Sc. Ag. & A.H. Degree Programme.
12. **“Certificates of National Standard Examination in Chemistry and Physics”** in 1994.

13. **“National Scholarship”** during Intermediate.
14. **“Rajive Ratna”** by Priyadarshini Paryavaran Samiti Utter Pradesh for getting first position in Nainital District during High School Examination.
15. **“U.P. Government Scholarship”** during High School.

Trainings:

1. **“Blue Print for Success”** organized by Qualified Learning Systems Co.Inc.(U.S.A.) at Dehradun Institute of Technology (DIT) Dehradun 18th – 20th November 2006.
2. **“Internal Resource Generation by Technical Institutions”** at National Institute of Technical Teachers’ Training and Research (NITTTR) Chandigarh w.e.f. 16th -20th October 2006.
3. **“Gene Mining from Genomics”** at C.B.S.H. of G.B.P.U.A & T. Pantnagar 2-4 September 2004.
4. **“On Line Documentation of Plant Biodiversity of India with Special Reference to Uttaranchal”** at C.B.S.H. of G.B.P.U.A.& T.Pantnagar 10-11 January 2004.
5. **“Nuclear Science Center (NSC) Acquaintance Programme”** at, H.N.B. Garhwal University,Badshahi Thaul Campus,Tehri Garhwal on 10th October 2003.
6. **“Mushroom Production”** under self-employment scheme at Directorate of Experiment Station(DES) of G.B.P.U.A.&T. Pantnagar .15-24 September 2003.
7. **“I.P.R. and W.T.O. Issues-Relevance for Uttaranchal”** at G.B.P.U.A.& T.Pantnagar,27-28 Feb 2003.
8. **“Agri Clinics and Agri Business Center Scheme”** of Government of India at College of Agri Business Management, G.B.P.U.A& T.Pantnagar 30th October 2002 to 31st December 2002.
9. **“Hybrid Rice Seed Production”** at Directorate of Experiment Station(DES) of G.B.P.U.A.&T Pantnagar,17-20 September 2003.
10. **“Use of Nuclear Techniques in Increasing Agricultural Productivity”** at C.B.S.H. of G.B.P.U.A& T.Pantnagar 30th July to 10th August 2001.
11. **“Industrial Attachment Training”** at Uttar Pradesh Seeds & Tarai Development Corporation (U.P.S. &T.D.C.) Haldi, U.S.Nagar, Uttaranchal 14.5.98 -6.6.98.

Extracurricular Activities:

1. **Third Position** in 800 Mt. race organized by Staff Sports Club of G.B.P.U.A.&T.,Pantnagar 2004-05.
2. **Third Position** in 400 Mt. races organized by Staff Sports 22nd December 2006 organized by Staff sports Club of G.B.P.U.A. &T., Pantnagar 2004-05.
3. **Winner Position** in Hockey Match organized by Staff Sports Club of G.B.P.U.A. &T., Pantnagar 2004-05.

4. **Winner Position** in Hockey Match organized by Staff Sports Club of G.B.P.U.A.&T., Pantnagar 2004-05.
5. **Representative Sanskrit Chetana Parishad** 2001-02.
6. **Second Position** in the Room Award Competition of C.B.I hostel inmates 1998-99.
7. **National Service Scheme (N.S.S.) Certificate** during 1995-96.

Participation in Symposium, Seminar, Conference, Congress, Short Term Course and Workshop:

1. National Seminar on, “**Climate Change, Resources, Bio-Diversity & Environmental Challenges: Issues and Strategies for Sustainable Development**” at HNBGU, Srinagar Garhwal *w.e.f.* 28th to 30th October 2015.
2. National Conference on, “**Reinvigorating Agricultural Innovations for Farmers Empowerment and Development**” at PJTSAU, Hyderabad *w.e.f.* 3rd to 4th June 2015
3. **9th Uttarakhand State Council for Science & Technology Congress** at Vigyan Dham, Dehradun *w.e.f.* 26-28 February, 2015 .
4. National Seminar on , “**Holistic Development of Agroforestry: Potential and Policy Issues**” at G.B.P.U.A.&T. Pantnagar *w.e.f.* 13th Feb to 14th Feb 2015
5. National workshop on, “**Retrospective and Prospective Analysis of Indian Agriculture: The Roadmap Ahead**” at G.B.P.U.A.&T. Pantnagar *w.e.f.* 17th to 18th November 2014
6. National conference on, “**Recent Advances in Mechanical Engineering (NCRAME-2014)**” at G.B. Pant Engineering College, Ghurdauri, Pauri Garhwal, *w.e.f.* 26th to 27th September 2014
7. National Seminar on , “**Livelihood Generation in Hill States of India based on Agriculture and Allied Sectors**” at Uttaranchal (P.G.) College of technology & Bio-Medical Sciences at Dehradun on 24th April 2014
8. National Workshop on ,**Forest Seed Science, Recent advances & challenges in seed research** *w.e.f.* 26th to 27th February 2014 at Forest Research Institute, Dehradun.
9. 8th Uttarakhand State Science and Technology Congress-2013 at Doon University Dehradun *w.e.f.* 26th to 28th Dec 2013.
10. National seminar on , “**Innovations in Traditional Agriculture**” at G.B.P.U.A.&T, Pantnagar *w.e.f.* 15th to 16th Nov 2013
11. National Seminar on, “**National Seminar on Uttarakhand Disaster: Contemporary Issues of Climate Change and Development with a Holistic Approach**” at S.D.S.U.U, Badshahithaul. 25-27 Oct 2013
12. Annual workshop of **All India Coordinated Small Millet Improvement Project** at JNKV, Jabalpur, *w.e.f.* 3-5 May 2013.

13. Annual workshop of **All India Coordinated Research Network on Undeutilized Crops** at SKRAU,ARS,Mandor w.e.f26-27 April 2013.
- 14.National Seminar on, “**Green Technologies for Sustainable Environmental Management(GTSEM-13)**”at Doon University,Dehradun,India,March 22-23,2013
- 15.National Seminar on, **Sustainable Development of Rural India by 2022**”at National Institute of Technical Teaxhers Training and Reserch,Chandigarh,7-8 March 2013.
- 16.3rd National Confenece on,“**Innovations in Indian Science,Engineering and Technology**”,at National Physical Laboratory,25-27 February,2013.
17. **7th Uttarakhand State Science and Technology Congress**,at Grphic Era University,Dehradun,21-23 Nov 2012.
- 18.National Conference on, “**Environment & Biodiversity:Safeguarding Ecosystems for Huminity**” Govt.P.G.College,Landsdown,Pauni Garhwal,Uttarakhand,30-31 March 2012.
- 19.**6th Uttarakhand State Science and Technology Congress**, SSJC,Kumaon Univesrsity Almora ,November 14th-16th, 2011.
- 20.National Seminar on, “**Resources Environment and Development of the Indian Himalya:Issues and Strategies for Sustainable Development**” H.N.B.G.U.(a Central University)Srinagar Garhwal Uttarakhand. November 02-04,2011
- 21.**5thUttarakhand State Science and Technology Congress,Doon University,Dehradun**, November 10th-12th, 2010.
- 22.**4thUttarakhandState Science and Technology Congres**,G.B.P.U.A.&T.Pantnagar,November 10th-12th, 2009.
- 23.Short Term Course on, “**Biosciences and Bionanotechnology**” at National Institute of Technical Teachers’ Training and Research (NITTTR) Chandigarh 2nd -6th February 2009.
- 24.**3rd Uttarakhand State Science and Technology Congress**, Indian Institute of Technology (I.I.T.) Roorkee,November 10th-11th,2008
- 25.National Workshop on, “**Appropriate Technologies for Hills(ATH-2008)**”G.B.Pant Univ.Ag.& Tech.Pantnagar (Uttarakhand) under Technical Education Quality Improvement Program(TEQIP),16-18 Oct,2008.
- 26.National Seminar on , “**Recent Trends in Renewable Energy Sources & Technologies(RREST)**” HNB Garhwal University,Srinagar(Garhwal) Uttartakhand,,26th-27th March,2008.
27. Workshop on, “**Solar Photovoltaic Systems**” HNB Garhwal University, Srinagar (Garhwal) Uttartakhand,,28th March,2008.
28. Short Term Course on, “**R & D, Patenting and Industry Institute Interaction**” **National** Institute of Technical Teachers’ Training and Research (NITTTR) Chandigarh 18th -22th February 2008.

29. Short Term Course on, **“Biotechnology and Biochemical Engineering”** National Institute of Technical Teachers’ Training and Research (NITTTR) Chandigarh 19th - 23th November 2007.
30. **2nd Uttarakhand State Science Congress**, Uttarakhand Academy of Administration, Nainital, November 15th-17th, 2007.
31. National Seminar on, **“Management Strategies for the Indian Himalya: Development and Conservation”** HNB Garhwal University, Srinagar (Garhwal) Uttarakhand, 29th-31st, October, 2007.
32. Short Term Course on, **“Intellectual Property Rights and Patent System in India”** at National Institute of Technical Teachers’ Training and Research (NITTTR) Chandigarh 23th -27th July 2007.
33. National workshop on, **“Use and Deployment of Web and Video Courses for Enriching Engineering Education”** under National Programme on Technology Enhanced Learning (NPTEL) **Outreach Center of Indian Institute of Technology (IIT) Kanpur** June 27th-28th, 2007.
34. Regional sensitization on workshops on, **“How to Protect & Promote Traditional Products, Handicrafts, Natural, Agricultural & Industrial Goods etc.”** 22nd December 2006 organized by Uttaranchal State Council for Science & Technology (UCOST) at Dehradun.
35. Regional Seminar on, **“Intellectual Property & Innovative Management in Knowledge Era”** 22nd December 2006 organized by Uttaranchal State Council for Science & Technology (UCOST) at Dehradun.
36. **“1st Uttaranchal State Science Congress”** organized by Uttaranchal State Council for Science & Technology (UCOST) at Dehradun, 10th-11th November 2006.
37. National Conference on, **“Innovation in Indian Science Engineering & Technology”** Indian Agricultural Research Institute(IARI), New Delhi, 24th-26th November 2006.
38. National Symposium on, **“Conservation of Natural Resources in Uttaranchal”** Govt. P.G. College Gopeshwar, Chamoli, Uttaranchal, 5th-6th Jan, 2006.
39. **r`rh; vf[ky Hkkjrh; foKku lEesyu] jk'Vªh; HkkSfr iz;ksx"kkkyk] ubZ fnYyh Qojh 19&21]2004.**
40. International Seminar on, **“Recent Trends in Hi-Tech Horticulture and Post Harvest Technology”** CSAUA&T, Kanpur February 4th-6th, 2004.
41. National Symposium on, **“Improving Crop Productivity in an Eco-friendly Environment: Physiological and Molecular Approaches”** G.B.P.U.A & T, Pantnagar, October 15th-17th, 2003.
42. 5th National Symposium on, **“Bio control Agents for Sustainable Management of Pests”** G.B.P.U.A & T, Pantnagar, December 18th-20th, 2003.
43. National Seminar on, **“Advances in Genetics and Plant Breeding-Impact of DNA Revolution”** UAS Dharwad, October 30th-31st, 2003.

44. **Patent Awareness Workshop** at G.B.P.U.A& T, Pantnagar organized by Patent Office, New Delhi in Co-operation with **Patent Information Center (PIC)** Pantnagar, 10th-11th September 2003.
45. 6th Agriculture Science Congress on, “**Multi Enterprises System for viable Agriculture**” Bhopal, 13th-15th February 2003.
46. 2nd International Congress of Plant Physiology on, “**Sustainable Plant Productivity Under Changing Environment**” at IARI, New Delhi, 8th-12th January 2003.
47. National Symposium on, “**Sustainable Pest Management**” Banaras Hindu University (BHU), Varanasi, 2nd-4th January, 2003.
48. International Symposium on, “**Live Stock Production System for Sustainable Food Security and Livelihood in Mountain Areas**” G.B.P.U.A& T, Pantnagar, 30th-31st December 2002.
49. National Symposium on, “**Future Prospects of Ethanopharmacology for the Promotion of Animal Health and Production**” G.B.P.U.A& T, Pantnagar, 24th-26th October 2002.
50. Diamond Jubilee Symposium on, “**Hundred Years of Post Mendalian Genetics and Plant Breeding Prospect and Retrospect**” Indian Agricultural Research Institute (IARI) New Delhi, 6th-9th November 2001.

List of Publications:

A. Books

Books Published:

- Rathour Ashok Kumar, **Bhatt Arun**, Srivastava Ashish and Katiyar Kalpana. 2017. Essentials of Microbiology. *Brillion Publishing*, New Delhi, www.brillionpublishing.com. pp1-662. ISBN:978-81-93404-63-8}
- Rathour Ashok Kumar, **Bhatt Arun**, Verma Shalini and Gupta Jyoti. 2017. Basics of Molecular Biology. *Brillion Publishing*, New Delhi, www.brillionpublishing.com. pp1-354. ISBN:978-81934682-10}

B. Research Papers

(i) Research Papers (Published)

- Maffooz Mohd, Dwedi Sushmita, **Bhatt Arun**, Raghuvanshi Sharad, Bhatt Manoj and Agarwal Pavan Kumar. 2017. Evaluation of Antifungal and Enzymatic Potential of Endophytic Fungi Isolated from *Cupressus torulosa* D. Don. *International Journal of Current Microbiology and Applied Sciences*. 6(8):4084-4100 {ISSN:2319-7706}

- Shivangi Negi, **Bhatt Arun** and Kumar Vineet. 2017. Character association and path analysis for yield and its related traits in Finger millet (*Eleusine coracana* (L) Gaertn) genotypes. *Journal of Applied and Natural Science*. 9(3):1624-1629 {ISSN:0974-9411}
- Negi Shivangi, Kumar Vineet and **Bhatt Arun**. 2017. Morphological Characterization and Genetic Analysis of Finger Millet (*Eleusine coracana* (L) Gaertn) Germplasm. *International Journal of Bioresource and Stress Management*. 8(3):469-472. {ISSN:1232-8213}
- Arya Rinkey, **Bhatt Arun**, Kumar Vineet and Singh Divya Prakash. 2017. Correlation analysis of some growth, yield and quality parameters of barnyard Millet (*Echinochloa frumentacea* (Roxb.) Link) Germplasm. *Journal of Pharmacognosy and Phytochemistry*. 6(5):1426-1429 {ISSN:2349-8234}
- Negi Shivangi, Kumar Vineet and **Bhatt Arun**. 2017. Genetic Diversity among Finger Millet (*Eleusine coracana* (L) Gaertn) Genotypes for Yield and Its Contributing Traits. *International Journal of Current Microbiology and Applied Sciences*. 6(8).xx-xx {ISSN:2319-7706}
- Purohit Sumit, Nandi S.K. and **Bhatt Arun**. 2016. Propagation of *Zanthoxylum armatum* DC: An important Himalayan medicinal plant. *Science and Technology in Uttarakhand*. 19-27 {ISBN-978-81-211-0887-4}
- Rajput Kavish, **Bhatt Arun**, Agarwal Pavan Kumar. 2016. Plant Mediated Biosynthesis and characterization and application of silver nano particles by leaf extract of *Cupressus torulosa*. *International Journal of Advanced Research*. 4(7). 1199-1207 {ISSN2320-5407}
- Rawat Laxmi, Nagaraja A. and **Bhatt Arun**. 2016. First Record of Leaf Blast on Little Millet (*Panicum sumatrense* Roth ex Roemer and Schultes) from Mid Hills of Uttarakhand. 54(1):145-147 {ISSN0971-3719}
- Jyoti Bhim, **Bhatt Arun** and Shukla Arvind. 2015. Impact of Fungicide on seed quality parameters in Triticum Aestivum (L.) CV-365. *J. Env. Bio-Sci*. 29(2):311-313. {ISSN0973-6913}
- Agarwal Shruti, **Bhatt Arun**, Rai Sumit Kumar, Agarwal Pavan Kumar. 2015. Physiochemical and Microbiological Analysis of Ganga Water at Kanpur with special reference to bioremediation. *Octa Journal of Environmental Research*. 3(4):290-301. {ISSN2321-3655}
- Kumar Vineet, Jyoti Bhim, **Bhatt Arun** and Shukla Arvind. 2015. Screening of Grain Amaranth Lines for seed quality parameters. *Annals of Plant and soil Research*. 17(Special issue):37-39 {ISSN No.0972-1959}
- Baunthyal Mamta, **Bhatt Arun** and Ranghar Shewta. 2014. Fluorides and its effects on plant metabolism. *Journal of Agricultural Technology*. Vol.10(1):1-27. {ISSN 1686-9141}
- Purohit S, Bhatt I.D., **Bhatt A.** and Nandi S.K. 2014. *Zanthoxylum armatum*: An Important Medicinal Plant of Uttarakhand. *ENVIS Bulletin on Himalayan Ecology* pp35-38. {ISSN:0971-7447}

- Jain Saurabh, **Bhatt Arun**. 2013. Proteomic Analysis of Diversified Extremophilic Strains of *Pseudomonas* in the presence of Cadmium. *Agric Res*, Springer { ISSN:2249-7218 }
- Jain Saurabh, **Bhatt Arun**. 2013. Molecular and in situ characterization of cadmium-resistant diversified extremophilic strains of *Pseudomonas* for their bioremediation potential. *Biotech*, Springer { ISSN-2190-5738 }
- Singh Bhagat, **Bhatt Arun**. 2013. Phytosociology, Phenology and loiter fall pattern of sub alpine forest community of Uttarakashi Forest Division (Uttarakhand). *Archives of Pharmacy and Biological Sciences*. pp66-72. {ISSN:2321-3965 }
- **Bhatt Arun** (2013). Documentation of Ethno -veterinary Practices Used for Treatments of different Ailments in Garhwal Himalayan Region. *J Environ Nanotechnolgy*. Vol (2) pp22-29 {ISSN:2279-0748 }
- **Bhatt Arun** and D.C. Baskheti (2011). Combining ability studies for green forage yield and its component characters in Sorghum (*Sorghum bicolor* L.Moench) through line x tester analysis. *Pantnagar Journal of Research*. Vol.9 (1) pp57-60 {ISSN:0972-8813}
- **Bhatt Arun** and Mamta Baunthiyal (2010). Ethno-botanical Uses of Plants for curing Disease and Ailments in Human Being by People of Pauri Garhwal. *Journal of Mountain Research* Vol-5 pp 129-139 {ISSN.0974-3030}
- **Bhatt Arun** ,N.Singh(2009). Studies on Estimation of Genetic Diversity in Hybrid Sorghum Parental Lines using RAPD Markers. *Journal of Mountain Research*. Vol-4 pp.122-128. { ISSN.0974-3030 }
- **Bhatt Arun** (2008). Genetic architecture for seed yield and its components in Indian mustard (*Brassica juncea*(L.)Czern and Coss). *Journal of Mountain Research* vol-3.155-165. { ISSN.0974-3030 }
- **Bhatt Arun**. (2008). Studies on heterosis and Inbreeding Depression in Forage Sorghum [*Sorghum bicolor*(L.)Moench] *Agriculture Science Digest*. 28(4):258-261 {ISSN0253-150X }
- Sen Dhiman, **Bhatt Arun** and Kar Sourav Chandan .(2005). *Tulaipanji*- An Indigenous Scented Rice Genotype of West Bengal. *Asian-Agri-History*. Vol.9.No.2. April-June pp 153-156. { ISSN:0971-7730 }
- Baskheti D.C. and **Bhatt Arun** (2005). Genetic Analysis for yield and yield components in seven crosses among Sorghum (*Sorghum bicolor* L.Moench) in to Sudan grass (*Sorghum sudanense*). *International Journal of Agriculture Sciences* 1(1):7-10. {ISSN:0973-130X }
- **Bhatt Arun**, and Singh Vikram (2005). Genetic Divergence for Qualitative and Quantitative Characters in Sorghum (*Sorghum bicolor* L.Moench). *Forage Research* (4):231-232. {ISSN 0972-7183 }

- **Bhatt, Arun,** and Baskheti, D.C. (2005). Studies on Variation for Yield and Stem Borer (*Chilo partellus* (Swinhoe)) Resistance in Sorghum (*Sorghum bicolor* L. Moench). *Pantnagar Journal of Research*. 2(2):36-38 {ISSN:0972-8813}
 - Baskheti, D.C. and **Bhatt, Arun,** (2005). Evaluation of Forage Sorghum Hybrids for Resistance against Shoot Fly (*Atherigona soccata* (Rondani)). *Pantnagar Journal of Research* 2(2):29-32 {ISSN:0972-8813}
 - **Bhatt, Arun** and Singh, Rameshwar (2003). Association between Stem Borer (*Chilo partellus* (Swinhoe)) incidence and Sweet Stalks in Sorghum (*Sorghum bicolor* L. Moench). *Insect Environment*. October-December, 9(3):131-132 {ISSN:0975-1963}
 - **Bhatt, Arun** (2003). Preliminary Screening of Fodder Sorghum Genotypes for Resistance to Shootfly (*Atherigona soccata* Rondani), *Insect Environment*. April-June, 9(1):32 {ISSN:0975-1963}
- (ii) **Papers presented in Symposium, Seminar, Conference, Congress and Workshop etc.**
- **Bhatt Arun 2015.** Underutilized Crops for Biodiversity Conservation and Management-Uttarakhand Perspective. National Seminar on, “Climate Change, Resources, Bio-Diversity & Environmental Challenges: Issues and Strategies for Sustainable Development” at HNBGU, Srinagar Garhwal *w.e.f.* 28th to 30th October 2015. pp64
 - **Bhatt 2013.** Biodiversity Management-Demand of Present. “National Seminar on Uttarakhand Disaster: Contemporary Issues of Climate Change and Development with a Holistic Approach. at S.D.S.U.U, Badshahithaul. 25-27 Oct pp66
 - **Bhatt Arun (2013).** Small millets of Uttarakhand for Sustainable Nutritional Security and Biodiversity Conservation. “Green Technologies for Sustainable Environmental Management (GTSEM-13)” at Doon University, Dehradun, India, March 22-23, 2013. pp156 (Abs)
 - **Bhatt Arun (2013).** Biodiversity of Ethno medicinal Plants and Conservation Strategies for Sustainable Development in Garhwal Himalayas, Uttarakhand. .National Seminar on, Sustainable Development of Rural India by 2022” at National Institute of Technical Teachers Training and Research, Chandigarh, 7-8 March 2013. pp36 (Abst)
 - **Bhatt Arun (2012).** Role of Women in Biodiversity Conservation and Environment Management in Uttarakhand, 6th Uttarakhand State Science and Technology Congress, at Graphic Era University, Dehradun, 21-23 Nov 2012. pp45 (Abs)
 - **Bhatt Arun (2012).** Study on Biodiversity in Garhwal Himalayan Region and Conservation Strategies. “Environment & Biodiversity: Safeguarding Ecosystems for Huminity” Govt. P.G. College, Landsdown, Pauri Garhwal, Uttarakhand, 30-31 March 2012. pp 36 (Abs)
 - **Bhatt Arun (2011).** Studies on ethno-veterinary Usages of Medicinal Plants by People in Garhwal Himalayan Region. 6th Uttarakhand State Science and Technology Congress, SSJC, Kumaon University Almora, November 14th-16th, 2011. pp 87 (abst)

- **Bhatt Arun.**(2010).Treatments of various diseases and ailments on the basis of Indegenous Traditional Knowledge(ITK) about plants in Garhwal Himalya-A Case Study. 5thUttarakhand State Science and Technology Congress, Doon University,Dehradun November 10th-12th, 2010.pp (abst)
- **Bhatt Arun** and Singh N. (2009). SDS-PAGE Electrophoresis of Forage Sorghum (*Sorghum bicolor* (L.)Moench) from Seed Protein for Parental Genotype Identification. 4th Uttarakhand State Science and Technology Congress, G.B.P.U.A.&T.Pantnagar,November 10th-12th, 2009.pp (abst)
- **Bhatt Arun** (2008).Elucidation of Genetic Diversity of Hybrid Sorghum Parental Lines Using RAPD Markers. 3rd Uttarakhand State Science and Technology Congress, Indian Institute of Technology (I.I.T.).Roorkee, November 10th-11th, 2008.pp 60(abst)
- **Bhatt, Arun** (2007).Role of Biotechnology in Biodiversity Conservation and Agriculture Improvement. National Seminar on, “Management Strategies for the Indian Himalya: Development and Conservation” HNB Garhwal University, Srinagar (Garhwal) Uttartakhand, 29th-31st,October,2007.pp57(abst)
- **Bhatt, Arun** (2007).Genetic,Biochemical and Molecular Studies of Variability,Heterosis and Combining Ability in Sorghum(*Sorghum bicolor*(L.)Moench). 2nd Uttarakhand State Science Congress, Uttarakhand Academy of Administration, Nainital, November 15th-17th, 2007.pp011 (abst.)
- **Bhatt, Arun** (2006).Molecular Markers and Their Role in Plant Improvement. National Conference on Innovations in Indian Science, Engineering & Technology, Indian Agricultural Research Institute, New Delhi, November 24th-26th, 2006.pp323 (abst)
- **HkV~V v:.k** ¼2006½ ij kthuh Qlysa “kks’kd ;k iks’kd ,d leh{k kA Hkkjrh; foKku vfHk;af=dh ,oa izkS|ksfxdh; esa vuqos’kdksa ij jk’V^{ah}; laxks’BhA Hkkjrh; d’f’k vuqla/kku laLFkku] fnYyh ¼Hkkjrh½ uoEcj 14&26] 2006A i’B 322 ¼Lekfjdk½A
- **Bhatt, Arun** (2006).Heterosis in forage Sorghum and its Relationship with Combining Ability.1st Uttaranchal State Science Congress, Dehradun Institute of Technology Dehradun,Uttaranchal,November 10th-11th,2006.pp 4(abst)
- **Bhatt, Arun** (2006).Conserving Endangered Medicinal Plants’ Biodiversity of Uttaranchal Hills. National Symposium on Conservation of Natural Resources, Govt.P.G.Collage Gopeshwar, Chamoli, Uttaranchal.Jan5th-6th, 2006 pp29(abst).
- **HkV~V v:.k** flag fodze] ukjk;.k] vk”kh’k] vkfnR; t;izdk”k rFkk flag jkes”oj 2004] ikS/kksa dh tSo fofu/krk % laj{k.k ,oa ckSf/kd lEink vf/kdkj] r`rh; vf[ky Hkkjrh; foKku lEesy] jk’V^{ah}; HkkSfr iz;ksx”kkyk] ubZ fnYyh Qojh 19&21]2004 i’B 290 ¼Lekfjdk½A
- **Bhatt, Arun** and Ram, Hari Har(2004).Genetic Markers, Map Construction and their Application in Vegetable Breeding. International Seminar on Recent Trends in Hi-Tech Horticulture and Post Harvest Technology, CSAUA&T,Kanpur February 4th-6th,2004 pp28-29 (abst).

- **Bhatt,Arun** and Singh, Rameshwar (2003).Identification of a RAPD Marker Linked to Anthracnose Resistant Gene in Sorghum.5th National Symposium on Biocontrol Agents for Sustainable Management of Pests , G.B.P.U.A& T,Pantnagar,December 18th-20th,2003.pp 62.(abst)
- Bhatt,Arun**, Shrotria,P.K. and Singh,Rameshwar (2003).Use of RAPD Marker for Diversity Analysis in Sorghum(*Sorghum bicolor* L.Moench).National Seminar on Advances in Genetics and Plant Breeding-Impact of DNA Revolution,t UAS Dharwad,October 30th-31st,2003.pp175(abst)
- Bhatt,Arun**,Joshi,Neelendra Kumar,Singh Rameshwar (2003).Genotypic Differences of Sorghum(*Sorghum bicolor* L. Moench) in Response to Environmental Stress. National Symposium on Improving Crop Productivity in an Eco-Friendly Environment: Physiological and Molecular Approaches, G.B.P.U.A&T,Pantnagar,October 15th-17th,2003.pp 67(abst)
- BhattArun**,Shrotria P.K.,Singh Rameshwar,Singh Vikram,Pandey P.K. and Baskheti D.C.(2003)Combining Ability Analysis for Yield and its Component Characters in Forage Sorghum(*Sorghum bicolor*(L.)Moench).National Symposium on Sustainability Advancement and Future Thrust Areas of Research on Forages C.C.S.Haryana Agriculture University Hisar(Haryana)March 5th-6th,2003
- Bhatt,Arun**,Panda Biswajit,Upadhyay Megha,Kandpal L.M.,and Singh Y.V.(2003).Under Utilized Vegetables of Hilly Regions-Current Status and Future Thrusts. International Conference on Himalayan Biodiversity, Tribhuwan University,Kathmandu,Nepal,February 26th-28th,2003,pp26(abst)
- Bhatt,Arun**,Panda Biswajit,Joshi Neema,Upadhyay Megha,Gupta Manish.,and Singh Rameshwar.(2003).Livestock Production Systems of Mountains-For Sustainable Food Security and Livelihoods.International Conference on Himalayan Biodiversity ,Tribhuwan University,Kathmandu,Nepal,February 26th-28th,2003,pp62(abst)
- Panda Biswajit,**Bhatt Arun**,Joshi Neema,Upadhyay Megha,. Kandpal L.M,and Singh Y.V..(2003).Use of Biotechnology for Sustainable Vegetable Production in the Hills of Himalayas.International Conference on Himalayan Biodiversity , Tribhuwan University,Kathmandu,Nepal,February 26th-28th,2003,pp63(abst)
- **Bhatt Arun**,Shrotria P.K.,Rameshwar Singh and Pandey(2003).Intellectual Property Rights with Emphasis on Plant Variety Protection and its Implications.5th Indian Agricultural Scientists and Farmer's Congress 15-16 Feb,2003,pp4(abst)
 - **Bhatt,Arun**,Singh,Rameshwar ,Shrotria,P.K. and Singh,Vikram.(2003).Genetic Studies on Planting Ratio and Synchronization of Flowering Through Staggered Planting in Hybrid Forage Sorghum (*Sorghum bicolor*L.Moench) Seed Production.6th Agriculture Science Congress on Multi Enterprises System for Viable Agriculture,Bhopal.February 13th-15th,2003.pp127.(abst)
 - **Bhatt,Arun**,Singh,Rameshwar,and Shrotria,P.K.(2003).Studies on Seed Vigour Parameters in Sorghum.2nd International Congress of Plant Physioly on Sustainable Plant

Productivity under Changing Environment, IARI, New Delhi. January 8th-12th, 2003, pp 135. (abst.)

● **Bhatt, Arun, Pandey, P.K., Singh Rameshwar and Shrotria P.K.** (2003). Screening of Forage Sorghum Hybrids for Resistance to Shoot Fly (*Atherigona soccata* (Rondani)). National Symposium on Sustainable Pest Management, Banaras Hindu University (BHU) Varanasi, January 2nd-4th, 2003. pp 16-17 (abst.)

● **Bhatt, Arun, Pandey, P.K., Singh, Rameshwar and Shrotria, P.K.** (2002). Characterization of Elite Sorghum Genotypes for Fodder Quality Traits at Different Stages of Plant Growth. International Symposium on Livestock Production Systems for Sustainable Food Security and Livelihood in Mountain Areas, G.B.P.U.A. & T, Pantnagar, December 30th-31st, 2002. pp 71-72. (abst.)

● **Bhatt, Arun, Singh Rameshwar and Shrotria, P.K.** (2002). Genotypic Differences in Fodder Quality Parameters and HCN Toxin Content at Different Stages of Plant Growth in Sorghum. National Symposium on, "Future Prospects of Ethnopharmacology for the Promotion of Animal Health and Production" G.B.P.U.A. & T, Pantnagar, October, 24th-26th, 2002. \

● Tiwari, Salil, **Bhatt, Arun, Subhanjana, Shukla, A.K.** (2001). Provenance Testing in Shisham (*Dalbergia sissoo*) Diamond Jubilee Symposium of Indian Society of Genetics and Plant Breeding. November 6th-9th, 2001, I.A.R.I., New Delhi. pp 114-115 (abst.)

● Tiwari, Salil, **Bhatt, Arun, Subhanjana, Shukla, A.K.** (2001). Age 0 age Correlation in Shisham (*Dalbergia sissoo*). Diamond Jubilee Symposium of Indian Society of Genetics and Plant Breeding. November 6th-9th, 2001, I.A.R.I., New Delhi. pp 114-115 (abst)

B. Chapter in Book:

● **Bhatt Arun**, Agarwal Pavan Kumar. 2018. Effect of Climate Change on Agriculture: Indian Perspective Disaster Management, Corporate Social Responsibility, and, Conservation Issues pp 61 { ISBN 978-81-7993-659-7 }

● Chandra Satish Chandra, Gusain Yogendra Singh, **Bhatt Arun**. 2018. Metal Hyperaccumulation Plants and Environmental Pollution. *Microbial Biotechnology in Environmental Monitoring and Clean up*. pp (305-17). { ISSN: 2326-9162 }

● **Bhatt Arun**, Prasad Birendra and Bahuguna Abhisek .2013. Successful Information Technology (IT) for Agriculture and Rural Development. *Conservation Agriculture The New Paradigm*. pp 253-278 { ISBN: 978-81-7622-289-1 }

● Bahuguna Abhisek, Prasad Birendra and **Bhatt Arun**. 2013. Seed Dormancy and Germination as Influenced by Hormonal Interaction. *Conservation Agriculture The New Paradigm*. pp 279-304 { ISBN: 978-81-7622-289-1 }

- **Bhatt Arun**, Prasad Birendra and Bahuguna Abhisek .2013. Bioinformatics Tools and Techniques for Harnessing The Potential of Medicinal Plants. pp427-456 {ISBN:978-81-7622-289-1 }
- **Bhatt Arun**, Naithani B.P. and Thapliyal G.P. (2006). Conservation of Endangered Medicinal Plant Genetic Resources of Garhwal Himalaya. *Resource Appraisal, Technology Application and Environmental Challenges in Central Himalaya (Volume-II)*. pp292-294 {ISBN 81 902751 7 8 }
-

C. Papers in Proceedings:

- **Bhatt Arun**, Negi Shivangi and Arya Rinkey. 2015. Traditional Crops of Uttarakhand Hills for Sustainable Natural Resource Management and Development. *Proceeding of National Conference on Recent Advances in Mechanical Engineering (NCRAME-2014)*. pp84-100 { ISBN:978-93-84869-38-0 }
- **Bhatt Arun**, Bahuguna Abhishek, Chaubey Brijesh Kumar and Chandra Shekhar. 2013. Underutilized Crops of Uttarakhand for Sustainable Environmental Conservation and Management. *Proceeding of National Conference on Recent Advances in Mechanical Engineering (NCRAME-2013)*. pp33-38
- Chandra Shekhar, **Bhatt Arun**, Chaubey and Trivedi Himanshu. 2013 Bio lubricants :An environment affable and energy prospective substitute for mineral lubricants. *Proceeding of National Conference on Recent Advances in Mechanical Engineering (NCRAME-2013)*. pp55-56.
- **Bhatt Arun** and Singh N. (2008). Organic Farming and other Approaches for Revolutinizing Agriculture in Uttarakhand Hills. *Proceedings of National Workshop on Appropriate Technologies for Hills (ATH-2008)*. pp369-377.
- **Bhatt Arun** and Singh N. (2008) Alternate Energy Sources in an Educational Institution of Uttarakhand-A Case Study. *Proceedings of National Seminar on Recent Trends in Renewable Energy Sources & Technologies (RREST)*. pp 179-185.

D. Review Papers:

-
- Singh Bhagar, Bahuguna Abhisek , **Bhatt Arun**. 2015. Small Millets of Uttarakhand for Sustainable Nutritional Security and Biodiversity Conservation. *International Journal of Natural and Social Sciences Research*. 4(8):26-30 {ISSN2319-4421 }

- Acharya, V Mohan M, Ram Babu, Manna Mrnalini, Datta Dipanwita, **Bhatt Arun**, Reddy Malireddy K, Agarwal Pawan K. 2017. Phosphite: A Novel P. Fertilizer for weed Management. *Plant Biotechnology Journal*.
- **HkV~V v:.k**] flag] fodze] ukjk;.k] vk"kh'k] vkfnR; t;izdk" k rFkk flag jkes"oj 2004 ikS/kksa dh tSo fofo/krk % laj{k.k ,oa ckSf/kd IEink vf/kdkj] *Hkkjrh; oSKkfud ,oa vkS|ksfxd vuqla/kku if=dk o'kZ 12 vad 2 fnlEcj i`0 313&314-({ISSN:0771-7706}*

E. Popular/Scientific Article (yksdfiz;@oSKkfud ys[k)

(i) Popular/Scientific Article (yksdfiz;@oSKkfud ys[k) **Published**

- **HkV~V v:.k**] izlkj dqekj jkts" k] dqekj fouhr ,oa flag fi;w'kk & 2015 mRrjk[k.M esa olar dkyhu eDdk dh mUur [ksrh % fdlkuksa ds fy;s cgqmi;ksxhA *igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kZ if=dka i`B 64&69 {ISSN-2347-2626}*
- flag fi;w'kk] flag uohu dqekj] dqekj fouhr ,oa **HkV~V v:.k** & 2015 ioZrh; {ks=ksa esa elwj nky dh izxfr" khy ,oa mUur [ksrhA *igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kZ if=dka i`B 74&75 {ISSN-2347-2626}*
- usxh f"kokaxh] **HkV~V v:.k**] dqekj fouhr] flag fi;w'kk ,oa T;ksfr HkheA 2015 mRrjk[k.M ds ioZrh; {ks=ksa esa eksVs vuktsa dh mUur [ksrh p[kkn~; ,oa iks'k.k lqj{kk dk vk/kkjBA *igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kZ if=dka i`B 76&78 {ISSN-2347-2626}*
- izlkn jkts" k dqekj] **HkV~V v:.k** ,oa "kqDyk vjfoUn&2014 eksVs vuktsa ls lsgr jgs Hkjiwj% *[ksrh&d'f'k foKku }kjk xzkeksRFkku dh ekfld if=dka i`B 40&46 {ISSN-2347-2626}*
- flag fi;w'kk] **HkV~V v:.k**] dqekj fouhr ,oa cgqxq.kk vfHk'ksd&2014 ioZrh; {ks=ksa esa vRi iz;qDr ,oa eksVs vukt dh ufour ,oa mUur [ksrhA *igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kZ if=dka i`B 34&36 {ISSN-2347-2626}*
- fctYok.k ds jkts" k] jkor y{eh] **HkV~V v:.k** ,oa "kqDyk vjfoUn&2014 ikni LokLF; fpfdRlky; jkuh pkSjh ds oSKkfudksa ds }kjk Qlyksa ds jksx O;kf/k;kWa ,oa dhV fu;a=.kA *igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kZ if=dka i`B 44&46 {ISSN-2347-2626}*
- **HkV~V v:.k**] fj;ky eukst ,oa fotYok.k vkj-ds- & 2014 tyok;q ifjoZru ds ifjis{k esa igkMh [ksrh dh pqukSfr;kaA *igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kZ if=dka i`B 118&120 {ISSN-2347-2626}*
- cgqxq.kk vfHk'ksd] **HkV~V v:.k**] cgqxq.kk la;/k ,oa ukSfV;ky e;ad &2013 mRrjk[k.M ds ioZrh; {ks=ksa esa xsgwWa dh mUur [ksrhA *xsgwWa ,oa tkS Lof.kZek xsgwWa vuqla/kku fusns" kky;A i`B 50&53 {ISSN-2347-2626}*
- **HkV~V v:.k**] flag fi;w'kk] dqekj fouhr ,oa flag Hkxr&2013A ioZrh; {ks=ksa es fdlku HkkbZ;ksa }kjk Loa; chtksmRiknu] HkaMkj.k o "kks/ku dh mUur rduhdA *igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kZ if=dka i`B 5&7 {ISSN-2347-2626}*

- flag Hkxr] ukSfV;ky e;ad ,oa **HkV~V v:.k**&2013 yglqu dh mUur [ksrh ,oa bldk egRo igkMh [ksrh ckMh ioZrh; fdlkuksa dh IEiw.kz if=dkA i`B 28&30{ISSN-2347-2626}
- dqekj fofur] izzlkn fojsUn]z HkVV v:.k] flag fi;q'kk] cgqxq.kk vfHk'ksd 2013 ioZrh; {ks=ks es jkeknkuk dh vk/kqfud mUur [ksrh- fdlku Mk;jh izlkj funs" kky; mRrjk[k.M vkS|kfudh ,oa okfudh fo" ofo|ky; i`B 139&141
- **Bhatt Arun**, Baskheti D.C.2007.Role of Indian Farmers in Plant Improvement and Farmer's Rights. *Indian Farmers' Digest*.December40 (12):20-21{IISN 0537-1589}
- **HkV~V v:.k**] Jksf=; ih0ds0] feRry fo" kky] flag fodze] tks"kh fnus" k pUnz 2006- le`), oa fVdkÅ d`f'k dk vk/kkj tSfod [ksrhA fdlku HkkjrhA twu 37¼9½ % 32&34.{ISSN 0970-5198}
- **HkV~V v:.k**] flag fodze dqekj fodkl ,oa dcMky eukst dqekj 2005] mRrjkapy ds ioZrh; {ks=ksa esa [kjhQ esa eaMqok ¼jkh½ dh mUur [ksrh djsaA fdlku Hkkjrh A vizSy 36 ¼7½ % 9&11.{ISSN 0970-5198}
- **Bhatt Arun**,Shrotria P.K. and Rajendra (2004).Quality Seed Production and Role of Climate in Indian Context. *Agro Bios Newsletter*.December3 (7):19-20{IISN 0972-7027}
- Kumar Vikash,Joshi Dinesh Chandra,Singh B.V.,Ram Hari Har and **Bhatt Arun**.(2004) Harnessing Soybean for Good Health. *Indian Farmers' Digest*. September 37(9):24-26{IISN 0537-1589}
- **Bhatt, Arun**, Joshi, DineshChandra, Shrotria, P.K., Singh, Rameshwar, 2004.Molecular Markers and Conservation of Plant Biodiversity Indian Perspective.*Agro.Bios.Newsletter*.July.3 (2):7-8. {IISN 0972-7027}
- **Bhatt,Arun**,Singh,Vikram,Shrotria,P.K.,Sen Dhiman,Dayal Shiv,2004.Sustainable Hill Agriculture through Organic Farming. *Indian Farmers' Digest*.April, 37(4):11-14{IISN 0537-1589}
- Bakshi, Arun, Sen, Dhiman, **Bhatt, Arun** and Rohitashava, 2004.Constraints of Low Yield in Rice Wheat Cropping System. *Indian Farmers' Digest*.April.37 (4):7-8. {IISN 0537-1589}
- Tewari, Salil K., Kumar Vikash, **Bhatt,Arun** and Kumar Vipin.2004.Shisham Mortality Problems in North India and its Mitigation. *Indian Farmers' Digest*.February.37 (2):23-24. {IISN 0537-1589}
- **Bhatt, Arun**, and Ram,Hari Har 2004.Bottle Gourd and Bitter Gourd for your Backyard. *Indian Farmers' Digest*. February 37(2):13-14{IISN 0537-1589}
 - Kumar Vikash,Dinesh C.Joshi,B.V.Singh,Ram Harihar,**Bhatt Arun**.2004.Harnessing Soybean for Good Health. September 37(2):24-26{IISN 0537-1589}
- **HkV~V v:.k** iUMk fo" othr flag] ;"kohj ,oa flag jkes"oj 2003] ykHknk;d cgqo'khZ; lCth "dq:" dh mUur [ksrh djsa] fdlku Hkkjrh flrEcj vad 34 ¼12½ % 13&14. {ISSN 0970-5198}

- **Bhatt, Arun, Singh, Vikram, Shrotria, P.K.** and Baskheti, D.C. 2003. Course Grains of Uttaranchal Ensuring Sustainable Food and Nutritional Security. *Indian Farmers' Digest*. November-December, 36(11-12):38-41. {ISSN 0537-1589}
- **HkV~V v:.k** flag] fodze] flag jkes"oj ¼2004½ mRrjkapy ds izeq[k pkjk o`{k ,oa mudk jksi.k] *fdlkj Hkkjrh*] vizSy 35¼7½ % 13&14. {ISSN 0970-5198}
- **HkV~V v:.k** Jksf=;] ih- ds- flag] jkes"oj ¼2003½ mRre pkjs ds fy, [kjhQ Tokj dh mUur [ksrh ds xqj tkfu,] fdlku Hkkjrh] twu 34¼10½ % 25&27. {ISSN 0970-5198}
- **HkV~V v:.k** flag] fodze] Jksf=;] ih ds rFkk flag jkes"oj ¼2003½ mRrjkapy jkT; esa pkjs dh leL;k rFkk lek/kku *fdlkj Hkkjrh fnlEcj* 34¼9½ % 27&29. {ISSN 0970-5198}
- Purwar, J.P. **Bhatt, Arun** and Kanaujia, K.R. 2002. Bt-cotton, Some Facts. *Indian Farmers' Digest*. April-May. 36 (4-5):37-39 {ISSN 0537-1589}
- **HkV~V v:.k** rFkk ;kno] jkds"k] 2002 uhe o`{k ,d mi;ksx vusd *fdlkj Hkkjrh*] fnlEcj 34¼9½ % 24- {ISSN 0970-5198}
- **Bhatt, Arun, and Ram, Hari Har** (2002). Transgenics of Vegetables. . *Indian Farmers' Digest*. August. 35 (8):19-21. {ISSN 0537-1589}

(ii) Popular/Scientific Article (yksdfiz;@oSkkfud ys[k) Communicated

- **Bhatt Arun**, 2018. Grow Multipurpose Sorghum Crop for Food, Feed and Fodder. *Indian Farmers's Digest*.