

Curriculum Vitae

[Bal Krishna Joshi]

<http://sites.google.com/site/jafgaubase/>
ORCID: <http://orcid.org/0000-0002-7848-5824>



Contents

GENERAL	2
ACADEMIC QUALIFICATIONS	2
WORK EXPERIENCES	2
MAJOR CONTRIBUTION AND SOME ACHIEVEMENTS	3
RESOURCE PERSON/ CONSULTANCY WORKS	5
OTHER SERVICES PROVIDED	7
PUBLICATIONS	8
<i>PhD Dissertation</i>	8
<i>MSc Thesis</i>	9
<i>Book, Book chapter</i>	9
<i>Papers in International Journal</i>	20
<i>Papers in National Journal</i>	23
<i>Proceedings Papers</i>	30
<i>Newsletter, Booklets and Others</i>	42
<i>Poster</i>	48
<i>Report</i>	50
<i>Media (Interview, Newspaper, TV, Radio, Blog, etc)</i>	52
<i>Training Manuals and Handouts</i>	53
EDITORIAL PUBLICATIONS AND WORKS	53
PAPER PRESENTED WORKSHOP (PAPER TITLE & WORKSHOP) & GENERAL PRESENTATION	56
WORKSHOP/SEMINAR/TRAINING ATTENDED	67
LIST OF PROJECTS INVOLVED	71
COMPUTER KNOWLEDGE	72
DRIVING	72
Membership	73
TEST	73
PERSONAL DETAILS	73
MY WEB METRICS	73
AWARDS, FELLOWSHIP RECEIVED AND NOMINATIONS	74
LANGUAGES KNOWN	74
COUNTRIES VISITED	74
REFEREES	74
CORRESPONDENCE	74

GENERAL

Place of birth (Permanent address)	Jungle Agric. Farm, Gaubase, Samibhanjyang-4 (now, Madhya Nepal Municipality-5), Lamjung, Nepal
Citizenship/ Nationality	Nepali
Marital status	Married
Religion	Hindu
Sex	Male
Height	5'8"
Parent's name	Late Setu Lal Joshi and Gauri Maya Achaju
Parent's occupation	Agriculture and Livestock

ACADEMIC QUALIFICATIONS**Specialization:** Genetics and Plant Breeding

Degree	Institute/University	Division/Year	Major subject
PhD	University of Tsukuba, Japan	2011	Plant Genetics and Breeding
MSc	North Carolina State University, USA	2011	Horticulture Science with minor in Statistics
MSc	Institute of Agriculture and Animal Science (IAAS), Tribhuvan University (TU), Nepal	1 st /2000	Genetics and Plant Breeding
BSc (Ag)	IAAS, Rampur/TU, Nepal	1 st /1992	Genetics and Plant Breeding
ISc (Ag)	IAAS, Rampur/TU, Nepal	1 st /1988	Sciences
SLC	Bhairab Kali MV, Lamjung/ SLC Board, Nepal	1 st /1986	Science and Maths

Working Areas: Plant Genetics & Breeding, Agrobiodiversity, Biotechnology and Biometrics**WORK EXPERIENCES**

Post/Organization	Duration	Major responsibilities
Chief/ NAGRC (National Genebank)	From 2021 to present	<ul style="list-style-type: none"> • Genebank management (conservation and sustainable use of agricultural genetic resources) through different banks, strategy and good practices • Use of biotechnology and GIS+CAT for managing and utilizing agricultural biodiversity • Molecular based plant breeding for a number of crops • Biometrical and editorial works • Provide training to farmers and scientists on conservation, biometrics, biotechnology and plant breeding
Senior Scientist/ National Genebank, NARC	From 2014 to 2021	
Scientist/ Biotechnology Unit, NARC http://www.narc.org.np/org/bio_bal_krishna_joshi.php	From 2004 to 2013	<ul style="list-style-type: none"> • Molecular based rice and buckwheat breeding {1. Diversity assessment and evaluation, 2. Identification (DNA and isozyme fingerprint) and characterization, 3. Tagging and mapping of important genes including Quantitative trait loci, 4. Genetic structure and inheritance study and 5. Marker assisted selection and marker assisted backcrossing (MAS and MAB)}.

Post/Organization	Duration	Major responsibilities
		<ul style="list-style-type: none"> • Isozyme analysis and tissue culture • Plant breeding, statistical analysis and computer management • Publication of journal and annual reports
Scientist/ ABD, NARC	From Nov 2000 to 2004	<ul style="list-style-type: none"> • Isozyme analysis and tissue culture • Plant breeding, statistical analysis and computer management • Publication of journal and annual reports • On farm management of agricultural biodiversity • Thematic leader of population structure and breeding system
Research Assistant/ NCSU, USA	From May 2009 to May 2011	<ul style="list-style-type: none"> • MAS and tagging of resistant genes by DNA markers in tomato • Diversity analysis and anther culture of tomato
Adjunct Professor, HICAST, Purbanchal University http://www.hicast.edu.np/index.php?do=faculty&name=Agriculture+And+Technology&id=20	From August 2007 (part time work)	<ul style="list-style-type: none"> • Teaching Plant Breeding and Statistics and Computer Application
Lecturer, HICAST, Purbanchal University	Sept 2002 to Feb 2003 (part time work)	<ul style="list-style-type: none"> • Teaching Statistics and computer application
Graduate Research Assistant/ IAAS, Rampur	Two years (From 1998)	<ul style="list-style-type: none"> • Assisting rice and wheat breeding research including biotechnology (both field and lab works) • Teaching undergraduate students (Breeding and Statistics)
Agric. & Livestock Dev. Coordinator/ USCCN, Nepal	Six years (From 1992)	<ul style="list-style-type: none"> • Improving crops through participatory plant breeding • Planning, programming and implementation of agriculture, livestock and environment development activities • Preparation of training manuals and conducting trainings • Coordination with HMG/N line agencies & INGO/NGO • Developing agricultural strategy and policies for the programs • Monitoring and evaluation of agriculture and livestock cum IG programs
Computer Lab Assistant/ Computer Links, Katmandu	Two months (From Aug 1992)	<ul style="list-style-type: none"> • Teaching computer

MAJOR CONTRIBUTION AND SOME ACHIEVEMENTS

My major contributions in National Genebank after joining in 2012

1. Accelerated on the development of Chino Kutak

2. Adopted four strategies (ex-situ, on-far, in-situ and conservation breeding) for agrobiodiversity conservation and utilization
3. Advisory members of more than 20 PhD, MSc and BSc students
4. Agricultural species richness and landrace richness estimated
5. Agrobiodiversity policy revision and drafting of agrobiodiversity conservation and utilization bill
6. Anther culture (double haploid) production system initiated
7. Applied biotechnological tools (tissue culture and molecular marker technology), geographical information system and climate analog tool for agrobiodiversity management including identification of climate smart germplasm, climate smart crop breeding
8. Creation of black box facility
9. Designed agrobiodiversity, biotechnology and statistics courses for different university, college and NARC
10. Developed detail guidelines for SAS-N and NARC Journals and promoted publication of these journals. Zotero module for reference style developed
11. Developed hybrid rice development strategy and action plan (short, medium and long term)
12. Development of genebank operational manual
13. Development of IMISAP (ITPGRFA-MLS strategy and action plan), etc
14. Documentation of agrobiodiversity (including country report to international community) and development of passport descriptors
15. Education materials on agrobiodiversity developed
16. Establishment of agro-gene sanctuary, raithane nursery, herbal conservation garden
17. Establishment of base collection room (long term storage facility) and short term storage facility
18. Establishment of DNA bank and Tissue bank
19. Establishment of field genebank and crop specific diversity park(taro, sugarcane, potato, ginger, turmeric, etc)
20. Future smart food crops identified and neglected and underutilized species listed
21. Gene tagging using DNA markers started. Molecular marker assisted technology adopted in plant breeding work
22. Initiated registration of native landraces, registered more than 10 native crop landraces, landraces enhancement method developed. Simplification of format for registration of native landraces
23. Initiation of aqua pond genebank and livestock farm genebank
24. Initiation of community seed bank, community genebank, community field genebank, community aqua pond genebank, village level field genebank
25. Initiation of Insect genebank and Microbial genebank, mushroom park
26. Initiation of molecular lab and in-vitro tissue culture lab
27. Initiation of Pre breeding, Evolutionary plant breeding, Red zoning and Red listing
28. Initiation of School and college field genebank and Household genebank (household seed bank and household field)
29. Isozyme and DNA profiles and fingerprint of many native landraces developed
30. Mainstreamed R software in NARC for research data analysis along with providing trainings to researchers
31. Method of identifying unique landraces, developing site specific varieties, and poly morphic variety developed
32. Promoted 5-traits based native products (PQTHN, purity, quality, testy, healthy and nutritious) in the world
33. Repatriation of crop landraces started
34. Reviewed more than 300 scientific papers of national and international journals, and proceedings papers
35. Seed herbaria established
36. Serving more than 5 independent professional societies

37. Start of celebrating national genebank and agrobiodiversity day
38. Start of Germplasm rescue and Geographical indication. Mechanism for GI published, GI in basmati rice promoted
39. Start of Office and Temple gardens (conservation through beatification)
40. Started accessioning system in agricultural research
41. Started sharingship, editshop and writeshop
42. Technical support on pedigree analysis to scientists of Bhutan, Burkina Faso & Uganda
43. Reference style of NARC journal module developed in Zotero, 2020
44. Led to develop evidences of Basmati rice for Geographical indication tag to submit to European Union (as coordinator of Basmati GI committee), 2021
45. As a member of NARC impact and roadmap committee 2021
46. Contributed to develop a hybrid seed production and management guidelines 2020

Before 2014

1. Successfully produced F1 seeds (first time in Nepal) between tartary buckwheat using hot water method of emasculation
2. Established a PAGE system (first time in Nepal) for DNA study
3. Used first time in Nepal, leaf number method for estimating flowering days in rice
4. Initiated heterosis study using CMS lines (first time in Nepal) in rice and identified restorer and maintainer lines
5. Published first time in the world, descriptors for sponge gourd
6. Designed details of Genetic Resources Management Complex and National Gene Bank, NARC, Khumaltar, 2007
7. Isozyme finger print of some native crop landraces developed
8. Established community seed bank first time in Nepal
9. Taught genetics, plant breeding, biotechnology courses to 4 different colleges
10. Provided trainings (many times) to many researchers (national and international), students, staff (70% of officers and scientists within NARC) on statistics, plant breeding, agrobiodiversity, biotechnology and GIS-CAT and computer aided data analysis

RESOURCE PERSON/ CONSULTANCY WORKS

2021

1. Joshi BK. 2078. नेपालमा कृषि, पशुपन्छी तथा मत्स्य अनुसन्धान Basic in-service training (आधारभूत सेवाकालीन तालिम), by AITC, 2077/12/04 – 2078/01/08. Training hall, Department of Livestock Service, Hariharbhawan.
2. Joshi BK. 2078. १. नेपालमा अनुसन्धान प्रक्रियामा अपनाउदै आएका आधारभूत चरणहरु, २. भैरहेको नयाँ अनुसन्धान गतिविधिहरु र नयाँ सिफारिस प्रविधिहरु Basic in-service training (आधारभूत सेवाकालीन तालिम), by AITC, 2077/12/04 – 2078/01/08. Training hall, Department of Livestock Service, Hariharbhawan.
3. Joshi BK. 2021. Session 1/4: The climate analogue tool and its practical application. Learning block 3: Identification of climate-smart crop germplasm. Plant Genetic Resources and Resilient Seed Systems for Sustainable Food Security, 23 Nov 2020 to 22 Jan 2021, On-line, Centre for Development Innovation, GrowInnova and alliance of Bioversity International and CIAT
4. Joshi BK. 2021. Session 2/4: Passport data and collection map of germplasm from Genesys. Plant Genetic Resources and Resilient Seed Systems for Sustainable Food Security, 23 Nov 2020 to 22 Jan 2021, On-line, Centre for Development Innovation, GrowInnova and alliance of Bioversity International and CIAT
5. Joshi BK. 2021. Session 3/4: Identification of climate analogue sites. Plant Genetic Resources and Resilient Seed Systems for Sustainable Food Security, 23 Nov 2020 to 22 Jan 2021, On-line, Centre for Development Innovation, GrowInnova and alliance of Bioversity International and

CIAT

6. Joshi BK. 2021. Session 4/4: Identification of climate-smart germplasm. Plant Genetic Resources and Resilient Seed Systems for Sustainable Food Security, 23 Nov 2020 to 22 Jan 2021, On-line, Centre for Development Innovation, GrowInnova and alliance of Bioversity International and CIAT
7. Joshi BK. 2021. (two lectures) 1. R for Agrobiodiversity Measurement (RAM). 2. Indigenous Seed, Seed Selection and Seed Bank. In: Technical Sessions Group-8 [Day.9: 27 September 2021]. Group name: Sustainable Agriculture; Organic Farming; Agro-Biodiversity. FSc MER | Summer Field School [Online] Mountain Ecosystem and Resource Management, 19-28 September 2021, Virtual Mode from Canada/Ukraine.
8. Joshi BK. 2021. 4 sessions. ०१ .स्थानीय स्तरमा कृषि जैविक विविधता र यसको संरक्षण तरिका Agrobiodiversity and its conservation measures at local level; ०२ .अकबरे खुर्साानी : प्रमाणिकता / जातीय शुद्धता, विविधता र रुपात्मक गुण /चरित्र चित्रण Akabare Khursaani: Authenticity/ genetic purity, diversity and agro-morphological traits; ०३ .अकबरे खुर्साानीको प्रजनन पक्ष Breeding perspective of Akabare Khursaani; ०४ .अकबरे खुर्साानीको आनुवंशिक सुधार र संरक्षण Genetic enhancement and conservation of Akabare Khursaani. In: अकबरे खुर्साानी : विविधता, जातियता र उत्पादन प्रविधि Akabare Khursaani: Diversity, landraces and production technology; रिब्दी कोट गाउँपालिका, पाल्पा १५-१६ कार्तिक, २०७८ ।

2019

1. Regular resource person for training on statistics, plant breeding, agrobiodiversity, biotechnology and GIS-CAT
2. Resource person (GIS, CAT, climate change, agrobiodiversity conservation) in an international training on Plant Genetic Resources and Resilient Seed Systems for Sustainable Food Security. 21 Oct – 8 Nov 2019, Pokhara, Nepal.
3. Resource person in Variety Testing and Proposal Writing for Variety Release and Registration Training for Plant Breeders, 03-05 Magh 2076, Rampur, SQCC.
4. Resource person in Advanced Statistical Analysis Training. 2-4 March 2020 National Agricultural Research Institute, Khumaltar.
5. Resource person in Training Workshop for On-Farm Conservation and Sustainable Use of Agricultural Biodiversity. 22-24 February 2019, National Genebank, Khumaltar.
6. Resource person in training on data recording and management in agricultural research, 21-23 Falgun 2075, NARI, Khumaltar.
7. Joshi BK. 2018. Forage Genetic Resources: Conservation Perspective. In: Quality Forage Seed Production Training, 13 to 15 Nov 2018, FRD, Khumaltar.
8. Guest lecture in Kantipur valley college, White house college 2017, 2018, 2019

2016

1. Course instructor on MSC Plant Breeding. 2016. 1. Quantitative Genetics (PLB715, 3+0); 2. Germplasm Collection, Evaluation and Utilization (PLB705, 2+1). IAAS, TU, Kirtipur, Kathmandu
2. Training on Data Analysis and Proposal Write-up in Agricultural Research. 3-5 Baisakh 2073, RARS, Lumle
3. Training Workshop on Strengthening Post Plant Breeding Research in Nepal. 8-10 June 2015 (25-27 Jestha 2072). ABD, Khumaltar.
4. Training Workshop on Research Methodology in Agriculture. 07-11 Asad 2072. NARI, Khumaltar.
5. Training on Crop Experimental Design and Data Analysis (CEDDA). 27 – 30 Dec 2014 (12- 15 Paush 2071). NMRP-NARC, Rampur. Organized by CIMMYT, Kathmandu.
6. Regional Training Workshop on Management of Agricultural Plant Genetic Resources: Eastern Development Region. 11-12 May 2015 (28-29 Baisakh 2072). RARS-NARC, Tarahara. Organized by Genebank
7. Training on Field Genebank Establishment and Management (FGEM). 2-4 Feb 2015 (19-21 Magh

- 2071), Genebank, Khumaltar. NAGRC
8. NUS Writeshop. 23-24 Feb 2015, Pokhara. LIBIRD
 9. Provided training to NARC scientists on Biometrics in RARS, Lumle in Feb 2014
 10. Resource person for Biometrical Training for Agricultural Researchers (BITAR), 5-8 Feb 2014. CIMMYT, Kathmandu
 11. Instructor in Department of Biotechnology, Kathmandu University: Advance Agricultural Biotechnology since 2014
 12. Guest lecture on Molecular breeding for Master level students in Central Department of Biotechnology, TU, 2014

Before 2014

1. Instructor in HICAST (affiliated with Purbanchal University): Plant Breeding and Biotechnology since 2013
2. Instructor in SANN International College (affiliated with Purbanchal University): Agricultural Biotechnology Since 2013
3. Trainer on Conservation and Utilization of Germplasm (Agricultural Genetic Resources)" for Community Seed Bank Districts. Organized by DoA, Crop development Directorate, Hariharbhawan from 15-16 Aswin 2069.
4. Trainer on Community Seed Bank Management Training for Farmers. Organized by NAGRC-NARC, Khumaltar from 28--29 June 2012.
5. Marker assisted selection for disease management. 18-23 Falgun 2065. Training on Recent Technologies in Agriculture for Up scaling. NARI-NARC, Khumaltar.
6. Agrobiodiversity management training for agricultural promoters, 3-6 Nov 2008, Dhunche, Rasuwa.
7. Training on computer aided biometrical analysis for agricultural researchers, 23-28 Falgun, 2062, NARI, Khumaltar
8. Training on biotechnology. (25-29 Dec 2005 (10-14 Paush 2062), Khumaltar NASRI-NARC, Khumaltar
9. Statistical consultant of one forest research project (Department of Forest) funded by HARP
10. Training on research design and data management. 21-25 June 2004 (7/3/61-11/3/61). NASRI, Khumaltar
11. Assistant trainer on ecogeographic survey on genetic diversity of tropical fruit tree species and use of GIS tools. By NARC/IPGRI, 17-19 June 2003, Khumaltar
12. As a Botanist for one month to assess the agrobiodiversity in Sankhuwasaba district, supported by SEEPOR, Kathmandu
13. Provided several trainings on sustainable agriculture, beekeeping, vegetables production, goat keeping, soil and fertilizer management, crop improvement etc at Humla, Nepalgunj, Lalitpur (Dalchowki, Ghusel, Nallu, Lele), and Dolakha

OTHER SERVICES PROVIDED

2020

1. Course content design of plant breeding and genetics for AFU lecturer, and IAAS lecture, 2019
2. Advisory committee member of PhD students (KH Ghimire, NH Ghimire) of AFU, 2017; MSc students (K Pokharel) of AFU 2018; MSc students (Bhawani Pandey and Aasish Pandey) of IAAS, 2019, BSc student of IAAS, Lamjung; Kathmandu and SHAN International college, Kathmandu 2018;
3. Involved in preparation of 15th five-year plan of NPC, NARC vision and roadmap, deemed to be university
4. Contributed on developing Hybrid rice breeding strategy, access and benefit sharing bill, agrobiodiversity conservation and utilization bill, plant breeder and farmer right bill, 2019, NBSAP and Aichi target progress review report 2019.

5. Preparation of country reports for the second and third reports on the state of the world's plant genetic resources for food and agriculture using FAO online Reporting Tool of the World Information and Early Warning System on Plant Genetic Resources for Food and Agriculture (WIEWS). 2016 and 2020

2016

1. Member secretary of NARC Research Project Proposals Review Panel 2070/71. Kathmandu 2013.
2. Statistical analysis for NARC researchers and students of AFU and IAAS
3. Stability analysis for proposed maize varieties to SQCC
4. Pedigree analysis of different crops to Bhutanese, Burkino Faso and Uganda scientists
5. Technical support on hybrid rice research to NRRP researchers
6. Molecular lab facility and technical support to IAAS students, Fishery Research Division, Animal Breeding and Health Division and NAST
13. Subject Matter Committee member (2070-06) for course curriculum development to Master degree on Biotechnology, AFU, Rampur. 2014
14. Advisory Committee Member of three MSc students enrolled in Department of Plant Breeding, AFU, Rampur, 2014 (Darvin Joshi: Finger millet)
15. Advisor. 2015. Two BSc Ag students of HICAST, PU, Kalanki (maize, oil crops in Kailali district).
16. Advisor. 2016. MSc Student, IAAS, TU, Kirtipur (agrobiodiversity GIS+CAT).

Before 2014

1. Contributed on Position paper of GMO and Hybrid in Nepal, prepared as white paper to MoAD in 2013
2. Advisory Committee Member of three MSc students enrolled in Department of Plant Breeding, AFU, Rampur, 2013 (Raju Chaudhary: Cardamom and Mahesh Subedi: Sugarcane)
3. Analyzing and interpretation of research data of NARC scientists
4. Analyzed thesis research data of 6 MSc students enrolled in TU, Kirtipur and helped to interpret. Similar services to 20 MSc students of IAAS, Rampur
5. As a team leader in collection of wild rice samples for DNA study at population level. Sept 2004
6. As a team leader in exploration and collection of Garlic germplasms for 10 days (Sept 2000) for IAAS, Rampur
7. Statistical contribution to some projects of Nepal Academy of Science and Technology, Khumaltar
8. Provided many statistical software to many scientists
9. Stability analysis for variety release in rice, tori, soybean, wheat, lentil, groundnut and sugarcane
10. Contributed in the development of Pokhrela Jethobudo rice
11. Technical reviewer for the proposals on variety release and registration of tori, soybean, rice, wheat, groundnut, maize, sugarcane and lentil
12. Formulated details publication guidelines for journal published by NARC and SAS-N (established a system by developing details guidelines and rules and regulations)
13. Prepared web site materials for Agriculture Botany Division and Biotechnology Unit
14. Prepared complete profile of Biotechnology Unit
15. Helped to declare Jumla district as organic farming district
16. Contributed as Foreign Examiner for PhD thesis in Gandhigram Rural Univ., Tamil Nadu, India

PUBLICATIONS

PhD Dissertation

- Joshi BK. 2011. Diversity Analysis of Tartary Buckwheat (*Fagopyrum tataricum* Gaertn.) in Nepal. PhD Dissertation, University of Tsukuba, Japan.

MSc Thesis

- Joshi BK. 2011. Molecular Tagging of Resistant Genes to Septoria Leaf Spot and Late Blight in Tomato (*Solanum esculentum* L.). MSc Thesis, North Carolina State University, USA.
- Joshi BK. 2000. Assessment of the Potential of Nepalese Rice Cultivars and Landraces for Hybrid Production. IAAS, Nepal. <http://sites.google.com/site/jafgaubase/publication/book-editorial-1>

Book, Book chapter

2023

1. Joshi BK. 2023. Buckwheat (*Fagopyrum esculentum* Moench and *F. tataricum* Gaertn). In: Neglected and Underutilized Crops: Future Smart Food (M Farooq and K Siddique, eds). Elsevier and AP, pp.151-199. <https://doi.org/10.1016/B978-0-323-90537-4.00016-8>

2022

2. Joshi BK and D Gauchan. 2022. Agrobiodiversity, and Neglected and Underutilized Species for Food, Nutrition, Livelihood, and Environmental Security in Nepal. In: Agriculture, Natural Resources and Food Security (J Timsina, TN Maraseni, D Gauchan, J Adhikari, and H Ohja, eds). Sustainable Development Goals Series, pp. 103-120. Springer, Cham. https://doi.org/10.1007/978-3-031-09555-9_7
3. Joshi BK. 2022. Classification of Fruits and Vegetables Crops of Plant Families. In: Medicinal and aromatic plants of the world. UNESCO-EOLSS. <https://www.eolss.net/sample-chapters/c03/E6-79a-34.pdf>
4. Joshi BK, KH Ghimire, RP Mainali, A Karkee, D Adhikari and A Hussain. 2022. The checklist of agricultural genetic resources in Nepal. NAGRC, Khumaltar, Kathmandu. <https://www.researchgate.net/publication/362958587>
5. Joshi BK, MP Acharya and N Pradhan. 2022. Field Genebank, Agro Gene Sanctuary, Aqua Pond Genebank, and Livestock Farm Genebank: Concept, Establishment, and Maintenance. National Agriculture Genetic Resources Center, NARC, Khumaltar, Kathmandu. https://www.researchgate.net/publication/359392625_Field_Genebank_Agro_Gene_Sanctuary_Aqua_Pond_Genebank_and_Livestock_Farm_Genebank_Concept_Establishment_and_Maintenance_Guidelines_for_banking_agricultural_genetic_resources_philda_jina_baim_ka_kr_phi
6. Ayer DK, BK Joshi and D Gauchan. 2022. Focus Group Discussion (FGD). In: Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 12-13.
7. Gauchan D, BK Joshi and DK Ayer. 2022. Key Informant Survey/Interview (KIS). In: Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 14-15.
8. Ayer DK, BK Joshi and D Gauchan. 2022. Transect Walk (TW). In: Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 16-17.
9. Joshi BK, KH Ghimire, B Bhandari, D Gauchan, R Gurung and N Pudasaini. 2022. Red Zoning and Red Listing (RZ-RL). In: Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 21-23.
10. Joshi BK, D Gauchan, KH Ghimire and DK Ayer. 2022. Five-cell Analysis (FCA). In: Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 24-25.

11. Gauchan D, BK Joshi and DK Ayer. 2022. Participatory Resources Mapping (PRM). **In:** Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 26-28.
12. Joshi BK, KH Ghimire, R Gurung, N Pudasaini, S Pant, P Paneru, D Gauchan, and D Jarvis. 2022. On-farm Agrobiodiversity Measurement (OAM). **In:** Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 29-34.
13. Gurung R, N Pudasaini, D Gauchan, BK Joshi, B Bhandari and S Shrestha. 2022. Farmer's Varietal Catalogue (FVC). **In:** Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 35-38.
14. Joshi BK, SK Shrestha, and D Gauchan. 2022. Writeshop, Editshop and Sharingshop (WES). **In:** Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 39-40.
15. Pudasaini N, R Gurung, B Bhandari, P Shrestha and BK Joshi. 2022. Diversity Fair (DF). **In:** Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal (BK Joshi, D Gauchan and DK Ayer, cpls & eds). NAGRC, LI-BIRD, and Alliance of Bioversity International and CIAT; Kathmandu, Nepal; pp. 42-46.
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 14. Joshi BK. 2008. Annual Report 2064 of the project, Molecular tagging of agriculturally important traits and developing NILs in rice and buckwheat (MTAT-DENRIB) (Project no. 33164001). Biotechnology Unit-NARC
 15. Joshi BK. 2012. Final Report on PVS on Rice Focusing to Adaptation to Climate Change in Tarai Area of Nepal. Bioversity International.
 16. Mudwari A, DB Thapa, KP Shrestha, S Bista, BK Joshi, BK Baniya and A Priyadarshi. 2003. Breeders' seed production and maintenance of rice, wheat and maize varieties. In: Annual Report 2058/59 (2001/02). HP Bimb, HB KC, BK Joshi and DMS Dongol (eds). ABD. Pp.75-76.
 17. Sharma RC, SM Shrestha, NK Chaudhary, MP Pandey, AK Tiwari, L Yadav, BR Ojha, BK Joshi, S Gyawali, MP Upadhyay, S Sakrunga and H Leurg. 2001. Characterization and improvement of Nepalese rice using molecular techniques. Terminal Report. The Rockefeller Foundation.

Media (Interview, Newspaper, TV, Radio, Blog, etc)

2018-2020

- Interview on Krishi TV about native genetic resources, buckwheat (two times), 2020.
- Interview on ABC TV about local agrobiodiversity, 2020.
- Endangered wild rice in Biratnagar local newspaper, 2019.
- Mango rescue from Lamjung and Gorkha in local newspaper and interview in FM radio, 2019.
- Interview in NTV about Genebank and agrobiodiversity (two series), 2019.
- Interview on Ujjyalo FM about local foods and agrobiodiversity (two times), 2019.
- NUS in Ujjyalo online, 2019.
- Local food strengthening training in Humla in local newspaper, 2019.
- Community seed bank workshop highlight in newspaper, 2019.

2017

- Cultivar mixture. Interview. Libird ko chautari, 20 Jestha 2074.
- Interview, 10 Kartik 2074 (2017). About collections in Genebank and outside country. Himal Khabarpatrika

2016

- Agricultural plant genetic resources in Nepal: Conservation and pre breeding. Interview. FM. 7 Sept 2016 (Bhadra 22 2073).
- AFACI (IMPGR + ANSOFT) Workshop in Kathmandu. Web publication. NARC website. 7 Sept 2016.
- AFACI (IMPGR + ANSOFT) Workshop in Kathmandu. Daily newspaper. 7 Sept 2016.
- बैंक मा रैथाने बिउ । साप्ताहिक पत्रिका । नेपाल राष्ट्रिय साप्ताहिक । १ कार्तिक २०७३
- Germplasm rescue from earthquake affected districts. Interview Ujjyalo Radio and Rasuwa Radio, 7 Dec 2016.

Training Manuals and Handouts

2016

1. Joshi BK, D Singh and KH Ghimire. 2016. Genebank operational manual. National Genetic Resources Center, NARC, Khumaltar, Kathmandu.

Before 2014

1. ABD. 2002. Research Field Book for Sponge Gourd, Cucumber, Pigeon Pea and Finger Millet. ABD, NARC Khumaltar (English).
2. ABD. 2002. Rice Research Field Book. ABD, NARC Khumaltar (English).
<http://sites.google.com/site/jafgaubase/publication/book-editorial-1>
3. Biotechnology Unit. 2007. Molecular Lab Manual and Cytogenetics Lab Manual (English).
4. Biotechnology Unit. 2007. Tartary Buckwheat Research Field Book. NARC (English).
5. Joshi BK. 2007. Lecture Notes on Plant Breeding. Himalayan College of Agricultural Sciences & Technology (HICAST). Faculty of Sciences & Technology, Purvanchal University, Ghatthagar.
6. Joshi BK. 2007. Practical Manual for Plant Breeding. Himalayan College of Agricultural Sciences & Technology (HICAST). Faculty of Sciences & Technology, Purvanchal University, Ghatthagar (English).
7. Joshi BK. Bee Keeping. 1995. USCCN, Katmandu, 69pp (in Nepali).
8. Joshi BK. Goat Keeping. 1997. USCCN, Katmandu, 61pp (in Nepali).
9. Joshi BK. Indigenous knowledge. 1994. In: Organic Pesticides. GL Shrestha (ed). Organic Pest Management Training, (5-7 June 1994). Pp:4-5 (in Nepali).
10. Joshi BK. Seed Conservation and Improvement. 1995. USCCN (in Nepali).
11. Organic Soil Management and Alternative Fertilizers Preparation. 1996. USCCN, Katmandu, 72pp. Compiled version.
12. Organic Vegetables Production and Alternative Fertilizers Preparation. 1996. USCCN, Katmandu, 61pp. Compiled version.
13. Protocols for Isozyme Analyses. 2058. Lab Manual Series 1. Biotechnology Unit, NARC Khumaltar. Compiled in English.
14. USC- Nepal. 2062. Local seed production and conservation: Training manual. I Sapkota, TP Gotame and BK Joshi. USC Nepal, Baluwatar, Kathmandu (in Nepali).

EDITORIAL PUBLICATIONS AND WORKS

2022

1. Joshi BK, D Gauchan and DK Ayer (cpls & eds). 2022. Participatory agrobiodiversity tools and methodologies (PATaM) in Nepal. NAGRC, LI-BIRD and Alliance of Bioversity International and CIAT; Kathmandu, Nepal.

2021

1. KC RB, TB Ghimire, BK Joshi, TP Gotame and P Paneru (eds). 2021. Proceedings of Stakeholders Workshop on Hybrid Variety Development in Nepal, held on 12 November 2020, Directorate of Agricultural Research, Gandaki Province, Lumle, Kaski, Nepal.
2. KC RB, D Thapa, TB Karki, B Pokhrel, R Darai, BK Joshi, S Baidhya, ASR Bajracharya, SP Vista, K Timsina, S Subedi, P Paneru (eds). 2021. Proceedings of the 31th National Winter Crops Workshop, 20-21 May, 2019, National Agricultural Research Institute, Khumaltar, Lalitpur, Nepal. Nepal Agricultural Research Council.
- 3.

2020

1. Bhandari D, HK Upreti, R Shrestha, J J Tripathi, H K Shrestha, K K Mishra, B K Joshi, A R Ansari, B P Tripathi, S Baidya, J Shrestha, M Tripathi, P Paneru, eds. 2020. Proceedings of the 29th Summer

Crops Workshop 17-18 June 2018, Regional Agricultural Research Station, Lumle. Nepal Agricultural Research Council, Kathmandu.

2. Gauchan D, BK Joshi, B Bhandari, HK Manandhar and DI Jarvis, eds. 2020. Traditional Crop Biodiversity for Mountain Food and Nutrition Security in Nepal. Tools and Research Results of the UNEP GEF Local Crop Project, Nepal. NAGRC, LI-BIRD and the Alliance of Bioversity International and CIAT; Kathmandu, Nepal.
3. Joshi BK, D Gauchan, B Bhandari and D Jarvis, eds. 2020. Good Practices for Agrobiodiversity Management. NAGRC, LI-BIRD and Alliance of Bioversity International and CIAT; Kathmandu, Nepal.
4. Reviewer of papers of Nepalese Horticulture, Journal of Agriculture and Environment, Agriculture Development Journal

2019

1. Joshi BK and R Shrestha, eds. 2019. Working Groups of Agricultural Plant Genetic Resources (APGRs) in Nepal. Proceedings of National Workshop, 21-22 June 2018, Kathmandu; NAGRC, NARC, Nepal.
2. Bhandari D, AK Gautam, R Shrestha, HK Upreti, YN Ghimire, KK Mishra, BK Joshi, AR Ansari, BP Tripathi and P Paneru, eds. 2019. Proceedings of the 30th National Winter Crops Workshop, held on 15-16 February, 2017 at National Maize Research Program Rampur, Chitwan Nepal. Nepal Agricultural Research Council.
3. Joshi BK. Editor in chief, Journal of Nepal Agricultural Research Council, Kathmandu (since 2019)

2018

4. Joshi BK, P Shrestha, D Gauchan and R Vernooy, eds. 2018. Community Seed Banks in Nepal. 2nd National Workshop Proceedings, 3-5 May 2018, Kathmandu Nepal; NAGRC, LI-BIRD and Bioversity International; Kathmandu, Nepal.

2017

5. Joshi BK and D Gauchan, eds. 2017. Rebuilding Local Seed System of Native Crops in Earthquake Affected Areas of Nepal. Proceedings of a National Sharingshop, 18 Dec 2017, Kathmandu; NAGRC, Bioversity International and Crop Trust; Kathmandu, Nepal.
https://www.bioversityinternational.org/fileadmin/user_upload/Rebuilding_Gauchan_2017.pdf
6. Editor of Agriculture Development Journal, 2017. DoA, Nepal
7. Joshi BK, AK Acharya, D Gauchan and P Chaudhary, eds. 2017. The state of Nepal's biodiversity for food and agriculture. Ministry of Agricultural Development, Kathmandu, Nepal.
http://moad.gov.np/public/uploads/974648021-SoNBFA_Nepal.pdf
8. MoAD. 2017. International Treaty on Plant Genetic Resources for Food and Agriculture and Multilateral System (ITPGRFA-MLS) Implementation Strategy and Action Plan (IMISAP) 2018-2025. Ministry of Agricultural Development, Kathmandu, Nepal. Contributed by BK Joshi, AK Acharya, D Gauchan and P Chaudhary. http://moad.gov.np/public/uploads/591774968-ITPGRFA_MLS%20Implementation%20Strategy%20&%20Action%20Plan.pdf
9. Joshi BK, HB KC and AK Acharya, eds. 2017. Conservation and Utilization of Agricultural Plant Genetic Resources in Nepal. Proceedings of 2nd National Workshop, 22-23 May 2017, Dhulikhel; NAGRC, FDD, DoA and MoAD; Kathmandu, Nepal.

2016

10. गिरि यज्ञ प्रसाद, ध्रुव भट्टराई, बालकृष्ण जोशी, प्रकाश पनेरु, तुलिस पौडेल, आशा रायमाझी र बिबेक सापकोटा (सम्पादक) । २०७३ । कृषि प्रविधि संग्रह-४ । नेपाल कृषि अनुसन्धान परिषद, काठमाडौं ।
http://nkcs.org.np/narc/pmb/opac_css/index.php?lvl=etagere_see&id=54

2015

11. Associate Editor in Chief. Journal of Nepal Agricultural Research Council, Vol 1, 2015; Vol 2, 2016; Vol 3, 2017; Vol 4, 2018. <http://narc.gov.np/narc-journal/>

2014

12. गिरि यज्ञ प्रसाद, ध्रुव भट्टराई, बालकृष्ण जोशी, अग्नि प्रसाद नेपाल, तुलिस पौडेलर बिबेक सापकोटा (सम्पादक) । २०७१ । कृषि प्रविधि संग्रह-३ । नेपाल कृषि अनुसन्धान परिषद, काठमाडौं । http://nkcs.org.np/narc/pmb/opac_css/index.php?lvl=etagere_see&id=54
13. National agro-biodiversity policy 2014

Before 2014

1. Reviewed Seed Vision-2025, SQCC
2. Reviewed Agriculture Development Strategy: Research and Extension. 2013
3. Genebank. 2013. Annual Report 2069/70 (2011/12). National Agriculture Genetic Resources Center (Genebank). BK Joshi, KH Ghimire and D Singh, eds. Khumaltar.
4. Genebank and AFACI. 2013. AFACI project outcomes: Promoting conservation and sustainable use of genetic resources of food and agriculture for enhancing food security in Nepal. National Agriculture Genetic Resources Centre (Genebank) and Asian Food and Agriculture Cooperation Initiative (AFACI), (BK Joshi, KH Ghimire and SK Shrestha, eds). Khumaltar, Kathmandu, Nepal.
5. Genebank. 2012. Annual Report 2068/69 (2011/12). National Agriculture Genetic Resources Centre, NARC (BK Joshi, KH Ghimire and SK Shrestha, eds). Khumaltar, Lalitpur, Nepal.
6. Joshi BK and KH Ghimire (eds). 2011. Annual Report 2068/69 (2010/11). National Agriculture Genetic Resources Center (Genebank)- NARC, Khumaltar.
7. Editorial Board Member (Genetics and Plant Breeding) of SAARC Journal of Agriculture since 2013
8. Giri YP, D Bhattarai, BK Joshi, AP Nepal, T Paudel and B Sapkota (eds). 2070BS. Krishi Prabidhi Sangraha-2. NARC, Kathmandu (in Nepali).
9. Reviewer for Journal of Agriculture and Environment 2012, 2013.
10. Genebank. 2011. Annual Report 2067/68 (2010/11). National Agriculture Genetic Resources Centre, NARC (BK Joshi and KH Ghimire, eds). Khumaltar, Lalitpur, Nepal.
11. Reviewer for proceedings of 26th Summer crops workshop held at NMRP, Rampur, Chitwan, 3-5 Feb 2010
12. Member of Editorial Team of BSN E-bulletin (Biotechnology Society of Nepal) from 2010 and Advisory Member for Nepal Journal of Biotechnology from 2011
13. Editor-in-Chief of Nepal Agriculture Research Journal from 2005 to 2007. <http://www.narc.org.np/publicaton/journal.php>, <http://www.nepjol.info/index.php/NARJ/about/editorialPolicies#custom0>
14. Joshi BK, SL Joshi and KP Paudyal, eds. 2004. Agricultural Research for Enhancing Livelihood of Nepalese People. Proceedings of 2nd SAS-N Convention, 30 July - 1 Aug 2003, Kathmandu, SAS-N. <http://sites.google.com/site/jafgaubase/publication/book-editorial-1>
15. USC- Nepal. 2062. Local Seed Production and Conservation: Training Manual. I Sapkota, TP Gotame and BK Joshi, eds. USC Nepal, Baluwatar, Kathmandu
16. Nepal Agriculture Research Journal as a Editor for Volume 5, 2004 and as Associate Editor for Volume 4, 2000. Published by NARC and SAS-N
17. Statistical Editor for Nepal Agriculture Research Journal from 2006. Published by SAS-Nepal and NARC
18. Sthapit BR, MP Upadhyay, BK Baniya, A Subedi and BK Joshi, eds. 2003. On-farm Management of Agricultural Biodiversity in Nepal. Proceedings of a National Workshop, 24-26 April 2001 Lumle Nepal, NARC, LIBIRD and IPGRI. <http://sites.google.com/site/jafgaubase/publication/book-editorial-1>

19. Bimb HP and BK Joshi, eds. 2001. Research and Development on Buckwheat: An Important yet a Neglected Crop in Nepal. Proc. National Workshop, 13-14 Sept 2001, Kathmandu. Biotechnology Unit-NARC, Khumaltar. <http://sites.google.com/site/jafgaubase/publication/book-editorial-1>
20. Bimb HP and BK Joshi, eds. 2001. Abstract of National Workshop on Res. and Dev. on Buckwheat: An Important yet a Neglected Crop in Nepal. 13-14 Sept 2001, Kathmandu, Biotechnology Unit-NARC, NIAS, IPGRI/APO.
21. Bimb HP, J Bajracharya, BK Joshi and DMS Dongol, eds. 1. Annual Report 2058/59, 2003, ABD; 2. Annual report 2059/60 (2002/03), 2004, ABD; 3. Annual Report 2060/61, 2005 ABD; 4. Annual report 2061/62 (2004/05), 2006, ABD; 5. Annual Report 2062/63 (2005/06), 2007, ABD. Agriculture Botany Division-NARC, Khumaltar.

PAPER PRESENTED WORKSHOP (PAPER TITLE & WORKSHOP) & GENERAL PRESENTATION

2022

1. Joshi BK. 2022. Concept and Context of Native and Local Varieties in Nepal. A national workshop on “Native and local variety registration in Nepal: Issues, Challenges and Achievements” बालीका रैथाने तथा स्थानीय जात दर्ता सम्बन्धी कार्यशाला गोष्ठी: सवालहरू, उपलब्धीहरू र चुनौतीहरू. 18 -19 April 2022, Nagarkot, Bhaktapur
2. Joshi BK. 2022. Have farmers native varieties lost their significance towards the food and nutrition security in Nepal? Dissecting the buzz! A national workshop on “Native and local variety registration in Nepal: Issues, Challenges and Achievements. बालीका रैथाने तथा स्थानीय जात दर्ता सम्बन्धी कार्यशाला गोष्ठी: सवालहरू, उपलब्धीहरू र चुनौतीहरू. 18 -19 April 2022 (5-6 Baishakh 2079), Nagarkot, Bhaktapur
3. Joshi BK. 2022. Concept of Evolutionary Plant Breeding (EPB) and Strategies for Mainstreaming Eps. Knowledge sharing and policy interaction workshop on Evolutionary plant breeding. National Genebank, Khumaltar, Lalitpur; 28 Baishakh, 2079 (11th May, 2022)
4. Joshi BK. 2022. Concept and Context of Indigenous Varieties in Nepal. Project Output Sharingshop Indigenous seed system. 09 Asaar, 2079 (June 2022), National Genebank, Khumaltar
5. Joshi BK. 2002. Nepal Agriculture Research Council: Dissemination of Agricultural Research Results (NARC: DARR). Service Entry Training to Class III officers at AITC, Hariharbhawan, Session Date: 2079 Jestha 03, Tuesday
6. Joshi BK. 2022. Intellectual Property Rights (IPR) in Agriculture. In-service Training for agriculture officers. 2079/03/01, Wednesday; 10:30 to 12:00 am FANSEP Hall, Opposite the Department of Agriculture Building
7. Joshi BK. 2022. Banking Agricultural Genetic Resources in Academic Institutes (IAAS). Interaction meeting with academicians for banking AGRs. 26 Baisakh 2079
8. Joshi BK. 2022. Crop conservation strategy and action plan (CCSAP). Workshop on National strategy and action plan for promotion of native crops. 2079/ 3/31, Friday, CDABCC, Lalitpur
9. Neupane SP, BK Joshi, D Gauchan. 2022 Nepal EPB Update On Use of Genetic Diversity and Evolutionary Plant Breeding for Enhanced Farmer Resilience to Climate Change, Sustainable Crop Productivity and Nutrition under Rainfed Conditions. IFAD Evolutionary Breeding Program Global Meeting on Cost-Benefit Analysis and a follow-up final Project Workshop (1-7 June 2022), Addis Ababa, Ethiopia
10. Joshi BK. 2022. EPB Project: Use of Genetic Diversity and Evolutionary Plant Breeding for enhanced resilience to climate change, sustainable crop productivity, and nutrition under rainfed conditions: Progress and Plan. NARC. Project briefing and sharingshop to NARC Management Team Kathmandu; 17 Maagh 2078
11. Joshi BK. 2022. National Agriculture Genetic Resources Center (NAGRC, National Genebank): An introduction and progress. Khumaltar, Kathmandu (during MoALD) Secretary visit.
12. जोशी, बालकृष्ण । नेपालमा कृषि जैविक विविधता, राष्ट्रिय जीन बैंक र संरक्षण पहल ।

Agrobiodiversity in Nepal, National Genebank and Conservation initiatives. सामुदायिक जीन बैंक तथा किरा-फिल्ड जीन बैंक तालिम २३-२४ फाल्गुन २०७८ । गाबर भ्याली सामुदायिक होमस्टे, गाभर, बाँके । राष्ट्रिय जीन बैंक र रैथाने एगो प्रोडक्स ।

13. जोशी, बालकृष्ण । सामुदायिक जीन बैंक र घरायसी जीन बैंक । Community Genebank and Household Genebank. सामुदायिक जीन बैंक तथा किरा-फिल्ड जीन बैंक तालिम २३-२४ फाल्गुन २०७८ । गाबर भ्याली सामुदायिक होमस्टे, गाभर, बाँके । राष्ट्रिय जीन बैंक र रैथाने एगो प्रोडक्स ।
14. जोशी, बालकृष्ण । सामुदायिक बीउ बैंकका आधारभुत मापदण्डहरू एवं सञ्चालन गर्नु पर्ने प्रमुख र सहायक कृयाकलापहरू) खण्ड ३। सामुदायिक बीउ बैंक स्थापना र संचालन विधि एवं सुदृढिकरण कार्ययोजना तयारी कार्यशाला, १० र ११ चैत्र २०७८ । कावासोती सामुदायिक बिउ बैंक, नवलपरासी । बाली विकास तथा कृषि जैविक विविधता संरक्षण केन्द्र ।
15. जोशी, बालकृष्ण । सामुदायिक बीउ बैंक सुदृढिकरणका उपाय तथा सम्भावित कार्ययोजना) खण्ड ५। सामुदायिक बीउ बैंक स्थापना र संचालन विधि एवं सुदृढिकरण कार्ययोजना तयारी कार्यशाला, १० र ११ चैत्र २०७८ । कावासोती सामुदायिक बिउ बैंक, नवलपरासी । बाली विकास तथा कृषि जैविक विविधता संरक्षण केन्द्र ।

2021

1. Joshi BK. 2020. Achievements on the Diversity Rich Technologies and Solutions. In: National Sharing Workshop. GEF/UNEP Local Crop Project: Integrating Traditional Crop Genetic Diversity into Technology: Using a Biodiversity Portfolio Approach to Buffer against Unpredictable Environmental Change in the Nepal Himalayas. NARC/LIBIRD/DoA/Bioversity International. 24 Feb, 2020; Hotel Himalaya, Lalitpur
2. Gauchan D, BK Joshi, B Bhandari & D Jarvis. 2021. Piloting and Promotion of Good Practices of Community Based Agrobiodiversity Conservation and Use: Experiences from Nepal. [International Conference for Nature and Natural Resource Conservation, 28-31 August, 2021, Egypt](#)
3. Joshi BK, D Gauchan and B Bhandari. 2021. Good practices for agrobiodiversity conservation and utilization in Nepal. 2nd International Agrobiodiversity Congress, 15–18 November 2021, Rome, Italy, the Italian Government and the Alliance of Bioversity International and CIAT
4. Ghimire KH, BK Joshi and A Karkee. 2021. Morphological diversity in Nepalese lentil landraces. 31st Winter Crops Workshop, 20-21 May 2019, National Agriculture Research Institute- Khumaltar, Lalitpur
5. Joshi BK, KH Ghimire, PR Bista, RB Yadwa, RK Shrestha, GK Kharel, P Paneru, RB KC and D Bhandari. 2021. Intellectual Property Right on Basmati Rice: Current Scenario and Evidences of Origin, Cultivation and Use Values of Basmati Rice in Nepal. International Conference by Biotechnology Society of Nepal (ICBSN-2021), 12-14 February 2021, Kathmandu.
6. Joshi BK. Basmati Rice Expert Meeting on Potentiality for Geographical Indication Tag. Nepal Agricultural Research Council, Kathmandu. 20 Paush 2077
7. Joshi BK. 2020. Intellectual Property Right on Basmati Rice: Current Scenario and Evidences. Evidence of Origin and Cultivation of Basmati Rice in Nepal. Nepalese Association of Agricultural Professionals of Americas (NAPA). 29 Dec 2020, 7.15 am, Zoom
8. Joshi BK. 2077. Strategic Move for Geographical Indication Tag to Basmati Rice from EU. 2nd High Level Meeting, MoALD Hall, Kathmandu, 11 am, 5 Paush 2077.
9. Joshi BK/ 2020. Indigenous Agricultural Genetic Resources in Nepal. Hult Prize at AFU, 3 day Webinar Series, the World Food Day: Grow, Nourish, Sustain and Together; 6:00 PM, 15 October 2020 (29 Ashwin 2077)
10. Joshi BK. 2020. Genebank: Concept and Milestones in Nepal. Webinar on the occasion of World Food Day IAAS LC GAASC, Baitadi (Gokuleshwar), 11.30 am, 16 Oct 2020.

11. Joshi BK. 2078. Agricultural Researchers in Nepal: Scope, Opportunities and Challenges. Webinar on Expertise on Agriculture: An insight into scope, opportunities and challenges. 12 Jestha 2078, 3 pm; Platform: ZoomAgriculture Student Liaison Forum (ASLF), Tikapur, AFU
12. Joshi BK. 2078. NARC, Native Agrobiodiversity, Conservation and Utilization. Webinar on the occasion of 30th NARC Day, 25 Baisakh 2078. Agriculture Student's Liaison Forum (ASLF)- IAAS, Paklihawa, 8 May Saturday 2021, 8 am
13. Joshi BK. 2078. What we know about Nepalese Rice. Webinar: 18th National Rice Day and Transplanting Ceremony, 15 Asad 2078. Group of Agricultural and Veterinary Students (GABS), Sindhuli, AFU. Zoom at 12.30 pm.
14. Joshi BK. 2021. Importance of Agrobiodiversity, Conservation Options, Genebank and its Role in Conservation and Utilization. Second agrobiodiversity working group (ABD-WG) meeting DoAR, Tarahara; 9-10 Mangsir, 2078 (25-26 Nov, 2021) CDABCC, NAGRC, LI-BIRD, NABS.
15. Karkee A, KH Ghimire and BK Joshi. 2019. Evaluation of Naked barley (*Hordeum vulgare* var. nudum L.) Landraces for Yield and Yellow rust diseases at Khumaltar conditions. 31st Winter Crops Workshop, 20-21 May 2019, National Agriculture Research Institute-Khumaltar, Lalitpur

2019

1. Karkee A, KH Ghimire and BK Joshi. 2019. Evaluation of Naked barley (*Hordeum vulgare* var. nudum L.) Landraces for Yield and Yellow rust diseases at Khumaltar conditions. 31st Winter Crops Workshop, 20-21 May 2019, National Agriculture Research Institute-Khumaltar, Lalitpur
2. Ghimire KH, BK Joshi and A Karkee. 2019. Morphological diversity in Nepalese lentil landraces. 31st Winter Crops Workshop, 20-21 May 2019, National Agriculture Research Institute-Khumaltar, Lalitpur
3. Joshi BK. 2019. Agrobiodiversity in Nepal: Conservation and Utilization Prospects and Challenges NAPA virtual talk (webinar), 15 Sept 2019, 6.45 am, Kathmandu.
4. Joshi BK, B Pandey and RC Adhikari. 2019. Progress and Prospects of Agricultural Biosafety in Nepal: Present Status, Challenges and Way Forward SAARC Regional Expert Consultation Meeting on the Progress and Prospects of Agricultural Biotechnology and Biosafety, 18-20 June 2019, Gazipur, Bangladesh; SAC, SABP, ILSI.
5. Joshi BK. 2019. Rebuilding Local Seed Systems and Germplasm Rescue Mission in Red Zone Areas (Earthquake affected Districts) of Nepal. In: Project inception meeting: Foundations for rebuilding seed systems post Cyclone Idai (Zimbabwe, Mozambique and Malawi), Monday 28 – Thursday 31 October 2019. Protea Hotel by Marriott Cape Town Waterfront Breakwater Lodge, Cape Town, South Africa. Distant presentation.
6. Joshi BK. 2019. 95% dependency on foreign germplasm demanded an alternative approaches for sustainability of Nepalese agriculture. In: Symposium, Unravelling Life Science- A quest for sustainability. Theme: Redefining the approaches in life sciences 29 Nov 2019, St. Xavier's College, Maitighar
7. Joshi BK. 2019. Agrobiodiversity in Nepal: Status, Conservation, Utilization and Legal Framework. In: Provincial Level Workshop on Agrobiodiversity Conservation. 4 Dec 2019, Hotel Crown, Tansen, Directorate of Agricultural Development, Province 5; Rupandehi.

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68. Regmi HN, HB KC, A Subedi, SR Gupta, J Bajracharya and BK Joshi. 2004. Locating diversity of broad leaf mustard (*Brassica compretis*) in Nepal. **In:** National Workshop on Strengthening the Scientific Basis of In-situ Conservation of Agricultural Biodiversity On-farm. 25-27 Aug 2004, Nagarkot, Kathmandu, NARC, LIBIRD and IPGRI.
69. Subedi A, J Bajracharya, BK Joshi, HB KC, SR Gupta, HN Regmi, K Baral, P Shrestha, P Thagunna, RK Tiwari and BR Sthapit. 2004. Eco-geography survey of mango (*Mangifera indica* L.) in Nepal. **In:** National Workshop on Strengthening the Scientific Basis of In-situ Conservation of Agricultural Biodiversity On-farm. 25-27 Aug 2004, Nagarkot, Kathmandu, NARC, LIBIRD and IPGRI.
70. Subedi A, J Bajracharya, BK Joshi, HN Regmi, SR Gupta and HB KC. 2004. Characterization and genetic diversity of mango (*Mangifera indica* L.) and mandarin (*Citrus reticulata* Blanco) in Nepal. **In:** National Workshop on Strengthening the Scientific Basis of In-situ Conservation of Agricultural Biodiversity On-farm. 25-27 Aug 2004, Nagarkot, Kathmandu, NARC, LIBIRD and IPGRI.
71. Subedi A, J Bajracharya, HN Regmi, HB KC, SR Gupta and BK Joshi. 2004. Eco-geographic and genetic diversity analyses in Nepalese mango. **In:** 4th National Workshop on Hort. 2-4 March 2004 Kathmandu, organized by NARC.
72. Tiwari RK, BK Joshi, BK Baniya, SR Gupta, A Subedi, MP Upadhyaya and BR Sthapit. 2004. Intra and inter population variations of finger millet (*Eleusine coracana* L.) landraces: I. Grown in Begnas, Bara, Nepal. **In:** National Workshop on Strengthening the Scientific Basis of In-situ Conservation of Agricultural Biodiversity On-farm. 25-27 Aug 2004, Nagarkot, Kathmandu, NARC, LIBIRD and IPGRI.
73. Tiwari RK, BK Joshi, HB KC, YR Bhusal, M Ghale, A Subedi, MP Upadhyay and BR Sthapit. 2004. Characterization of sponge gourd (*Luffa cylindrica* L. Roem) landraces of Nepal. **In:** National Workshop on Strengthening the Scientific Basis of In-situ Conservation of Agricultural Biodiversity On-farm. 25-27 Aug 2004, Nagarkot, Kathmandu, NARC, LIBIRD and IPGRI.

2003

74. Chaudhary B, S Gyawali, KD Joshi, RB Rana, SP Khatiwada, K Shrestha, DR Rijal, A Mudwodi, MP Upadhyay, A Subedi, BK Joshi and BR Sthapit. 2003. Participatory plant breeding in rice: Experience of National Rice Research Program, Hardinath, Nepal. **In:** 2nd SAS Convention, 30 July - 1 Aug 2003. Khumaltar, organized by NARC and SAS.
75. Joshi BK and A Mudwari. 2003. Wheat gene pool and its conservation in Nepal. **In:** International Conference on Himalayan Biodiversity (ICHB 2003). Feb 26-28, 2003, Kathmandu.
76. Joshi BK and KB Karki. Diversity of fodder and grasses in Sankhuwshabha. **In:** 2nd SAS Convention, 30 July - 1 Aug 2003. Khumaltar, organized by NARC and SAS.
77. Joshi BK. 2003. Rice gene pool for mid and high hills and its conservation in Nepal. **In:** 2nd SAS Convention, 30 July - 1 Aug 2003. Khumaltar, organized by NARC and SAS.

78. Karki KB and BK Joshi. 2003. Status of agro-biodiversity in three VDCs of Upper Arun River Valley, Shankhuwashabha district, Nepal. In: 2nd SAS Convention, 30 July - 1 Aug 2003. Khumaltar, organized by NARC and SAS.
79. Mudwari A, RP Sah, MR Bhatta, DB Thapa, A Maharjan, A Maharjan, S Gyawali, GO Ferrara, S Justice and BK Joshi. 2003. Participatory research to increase the productivity and sustainability of wheat cropping systems in the eastern subcontinent of South Asia: Summary report of participatory wheat research-Nepal component 2003. In: 1st Regional Review and Planning Meeting, 10-14 June 2003 Kathmandu, Nepal, organized by CIMMYT.
80. Upadhyay MP, BK Baniya, RB Rana, J Bajracharya, A Subedi, A Mudwari, S Gyawali, DK Rijal, BK Joshi, HB KC, D Gauchan, BR Sthapit. 2003. On-farm management of agro-biodiversity: Experiences of Nepal. In: International Conference on Himalayan Biodiversity (ICHB 2003). Feb 26-28, 2003, Kathmandu. <http://www.eli.org/pdf/africa/upadhyay.pdf>

Up to 2002

81. Joshi BK and HP Bimb. 2001. PCR-based markers for detection of genetic diversity in tea (*Camellia sinensis* L.). In: Workshop on Prospect and Challenges of Tea Research in Nepal. 15-16 Aug 2001. Pakhribas, Nepal, organized by ARS Pakhribas.
82. Joshi BK and HP Bimb. 2001. Prospects and possibilities of buckwheat development through biotechnology. In: National Workshop on Res. and Dev. on Buckwheat: An Important yet a Neglected Crop in Nepal. 13-14 Sept 2001, Kathmandu, organized by ABD.
83. Joshi BK and HP Bimb. 2002. Callus formation ability in anther culture of rice (*Oryza sativa* L.). In: 23rd National Summer Crops Research Workshop, 2-3 July 2002, Khumaltar, Kathmandu, organized by NARC.
84. Joshi BK and HP Bimb. 2002. Response to callus formation in anther culture of Nepalese wheat cultivars. In: 25th National Winter Crops Research Workshop 11-12 Sept 2002, Khumaltar, Kathmandu, organized by NARC.
85. Joshi BK, KP Shrestha and S Bista. 2002. Yield stability analysis of promising rice genotypes in mid hills of Nepal. In: 23rd National Summer Crops Research Workshop, 2-3 July 2002, Khumaltar, Kathmandu, organized by NARC.
86. Joshi BK, KP Shrestha, KD Joshi, A Mudwari, SP Khatriwada, P Chaudhary, RB Yadab, D Pandey, PR Tiwari, BK Baniya and BR Sthapit. 2001. Deployment of rice and buckwheat diversity through participatory varietal selection for specific adaptation. In: 1st National Workshop on Strengthening the Scientific Basis of In-situ Conservation of Agro-biodiversity On-farm. 24-26 April 2001, Lumle, organized by NARC/LIBIRD.
87. Joshi BK, S Gyawali, SN Sah and RR Chaudhary. 2002. Wild rice performance in mixture with F₁ hybrid, landrace and improved cultivar. In: International Conference on Wild Rice. 21-27 Oct 2002, Katmandu, organized by GEM, Nepal.
88. Joshi BK. 1994. Little thinks for bee keeping. In: Permaculture Graduates Conferences, Lotus farm, Bhaktapur, Dec 1994. Organized by INSAN.
89. Shrestha SR, BK Joshi, P Shakya, YP Pandya and YL Bhatta. 1997. Food security in Nepal (country report). In: South Asian Workshop on Food, Ecology and Culture in Bangladesh, Aug 1997, organized by UBINIG.

WORKSHOP/SEMINAR/TRAINING ATTENDED

Workshop and seminar attended list not added from 2020 if I did not present a paper

2017-2019

1. Consultative Workshop on Promotion of Climate-Smart Practices and Varieties for Intensive Rice-based Systems in Nepal. Hotel Himalaya, Kupondole, Lalitpur, 16 July 2019.
2. SAARC Regional Consultative Meeting. Seeds without Borders in South Asia, 3-5 September 2019, Kathmandu, Nepal. SAARC and IRRI

3. Preliminary Mid-term Review of Nepal's Seed Vision 2013-2025 & Validation Workshop on Hybrid Seed Production Guidelines. 2-3 July, 2019, Kathmandu. CIMMYT, SQCC, NARC, SEAN
4. Workshop on Patent, 28 June 2018, RECAST, Kathmandu

2016

1. Collecting, handling and long term conservation of seeds of wild species related to crops. 22-26 Feb 2016, MSB, MARDI, GCDT, Malaysia.
2. Crop genetic diversity and disease assessment workshop, 10-14 Sept 2014, Dolakha. Bioversity International, LIBIRD and NAGRC
3. Data management training for plant genetic resources in Asia (PGRAsia). 14-19 March 2016, NIAS, Tsukuba, Japan
4. Diversity Kits and Crowdsourcing Training. 29-30 June, 2015, Pokhara. LIBIRD, NAGRC and Bioversity International
5. In-country annual evaluation workshop on AFACI funded project in Nepal, 12 June 2014, Kathmandu. MoAD and NARC.
6. National workshop on Role of communication in extension of agricultural technology, 2071/03/11, Khumaltar. CPDD-NARC
7. Participatory crop improvement and seed system, 16-18 Sept 2014, Khumaltar. LIBIRD, NAGRC and Bioversity International
8. Regular participation in the meeting of national agrobiodiversity conservation committee (NABCC)
9. Training workshop on Developing Managerial Skills, 8-10 July 2014, Lalitpur. NARC and NASC. Nepal Administrative Staff College, Lalitpur.

2013

1. Training Workshop on Application of GIS and Climate Analogue Tools for APGR Management and Increased Varietal Adaptation (as resource person). 2-4 April 2013, Travellers Jungle Camp, Sauraha, Chitwan
2. National Biotechnology Interaction Workshop, 11-12 July 2013, Khumaltar. Biotechnology Division, NARC
3. Training workshop on Policy Network Data Analysis (PONDA), 4-5 Dec 2013, Kathmandu. NARC, LIBIRD, MoAD and BI.

2010

4. Akabare chilli enhancement proposal presentation, 27 July 2012
5. GRPI-2 inception workshop and Thematic Group meeting, 18-19 June, 2012
6. Participated in NARC Review Meeting of Central Development Region, 2012
7. Participated workshop on Climate change issues and research need in agriculture workshop in NARI-Hall at 8 July 2012.
8. Winter Vegetable Conference, 16-17 February 2011, Crown Plaza Resort, Asheville, NC, USA

2009

9. 4th Asian Conference on Biotechnology and Development, 12-13 Feb 2009. Kathmandu, RIS, NARC and UNESCO.

2008

10. 27th Winter Crops workshop, NARC, 10-12 Sept 2008, Khumaltar

2007

11. Biotechnology application on food industries for developing countries 2007, Beijing, China, from 21 Sept to 15 Nov 2007.

12. Present Status and Future Prospects of Biotechnology in Nepal, 14-15 March 2007, Khumaltar. NAST and MOEST.
13. 25th National Summer Crops Workshop 21-23 June 2007 (7-9 Ashadh 2064), NARC, Khumaltar, Lalitpur.

2006

14. Basic computer training course, 19 May 2006 at Tsukuba International Center, Japan International Cooperation Agency, Japan.
15. International Workshop on Domestication, super-domestication and gigantism: Human manipulation of plant genomes for increasing yield. 2 to 4 October 2006 Tsukuba, Japan. OECD and NIAS sponsored workshop and Supported by Annals of Botany.
16. IPGRI- Global on farm project: Workshop on comparisons, contrasts and similarities of the basic genetic diversity data, 20-24 Feb 2006, Rome, Italy. Organized by IPGRI. (Presented Nepal summary report).
17. Japanese language course, 15 May to 19 Sept 2006, at Tsukuba International Center, Japan International Cooperation Agency, Japan.
18. Sustainable use of plant genetic resources, 11 May to 2 Nov 2006 in NIAS and Tsukuba University. Organized by Tsukuba International Center, Japan International Cooperation Agency, Japan. Individual research title: Molecular linkage map of cDNA markers in common buckwheat (Key research areas: Primer design, optimization of PCR conditions, transferability of EST markers, cDNA markers development and F₁ hybrid test).

2005

19. 26th Winter Crops Workshop, 10-12 Falgun 2061 (Feb 21-23, 2005), NARC, Khumaltar.
20. Learning workshop on methodology of community biodiversity register (CBR) in Nepal. Organized by MoAC, NARC, LIBIRD and IPGRI, 27-28 Oct 2005 Khumaltar, Kathmandu
21. Sustainable livelihood approach in agricultural research: A training workshop, 28-29/9/ 2061 Khumaltar Organized by NARC

2004

22. 4th National conference on science and technology. Organized by RONAST, 23-26 March 2004, Kathmandu.
23. National Project Management Team meeting, 5-6 Feb 2004, ABD NARC Kathmandu.
24. Seed system and genetic diversity project development meeting. 4-5 March 2004 Organized by ABD NARC Kathmandu
25. National workshop on rice post harvest technology. 22 Jan 2004 Kathmandu, Organized by NARC and JICA.
26. Rice knowledge bank, 28 April 2004. Organized by IRRI and NARC in Kathmandu
27. 7th National Out Research Workshop, 24-25 June 2004 NARC.
28. 24th Summer Crops Workshop 28-30 June 2004 NARC Khumaltar organized by NARC.
29. PERI Demonstration program, 8 July 2004 in RONAST, Organized by TU Central Library
30. Workshop on stakeholder consultation for on site proposal development. 21-23 June 2004. ICRA-IPGRI initiative for on site proposal developments. ABD Khumaltar.
31. National workshop on Strengthening the Scientific Basis of In-situ Conservation of Agricultural Biodiversity On-farm. 25-27 Aug 2004, Nagarkot, Kathmandu, NARC, LIBIRD and IPGRI.

From 2000 to 2003

1. WTLC project and NMDG in situ meetings. By LIBIRD/NARC/IPGRI in Pokhara, 1-4 May 2003
2. Ecogeographic survey and GIS Training. 10-12 June 2003 in Pokhara By LIBIRD/NARC/IPGRI
3. Second SAS convention. 30-31 July- 1 Aug 2003, Khumaltar by NARC and SAS.
4. Sharing of workshop of Arun Valley Sustainable Resource Use and Management Pilot

- Demonstration Project, 26 July 2003, RRN, Kathmandu
5. Workshop on module development of regional training on agrobiodiversity. 10-12 Sept 2003, Kathmandu NARC, LIBIRD and IPGRI
 6. NMDG (NPMT) meeting (In situ project) 9-10 Nov 2003, LIBIRD Pokhara.
 7. Experimental design and statistical analysis for agricultural researchers with GenStat Training. 8-12 April 2002, Kathmandu. Organized by NARC/CIMMYT
 8. Nepal's contribution to agrobiodiversity in situ: A scientific basis for policy recommendations. A workshop, 16 Feb 2002, Kathmandu. Organized by ABD NARC
 9. Role of ladybird beetle for agricultural production and environmental protection. 20 May 2002, NARC, Khumaltar. Organized by Mangal Resources Utilization Center Bhaktapur
 10. 23rd National Summer Crops Research Workshop, 2-3 July 2002, Khumaltar, Kathmandu. Organized by NARC.
 11. 25th National Winter Crops Research Workshop 11-12 Sept 2002, Khumaltar, Kathmandu. Organized by NARC.
 12. International conference on wild rice. 21-27 Oct 2002, Katmandu. Organized by GEM, Nepal.
 13. National Multidisciplinary Group meeting (In situ global project): 25-27 July 2001, by ABD, at ABD Khumaltar; 21 Dec 2000, by ABD, at ABD Khumaltar; 24-30 March 2001, by LIBIRD, at LIBIRD Pokhara; 21-22 Aug 2002, by ABD, at ABD Khumaltar; 25-26 Sept 2001, by ABD, at RRP Hardinath; 5-7 Aug 2003, Khumaltar by ABD.
 14. Nepal-IRRI research dialogue. 3-4 May 2001, Katmandu, Organized by NARC
 15. National workshop on Res. and Dev. on buckwheat: An important yet a neglected crop in Nepal. 13-14 Sept 2001, Kathmandu. Organized by ABD.
 16. 1st National workshop on Strengthening the scientific basis of in situ conservation of agrobiodiversity on farm. 24-26 April 2001, Lumle. Organized by NARC/LIBIRD.
 17. Workshop on Prospect and challenges of tea research in Nepal. 15-16 Aug 2001. Pakhribas, Nepal. Organized by ARS Pakhribas.
 18. Driving training from 2057-11-28 to 2057-12-30 from Shree Suman Motor Driving Training Center, Samakhusi, Kathmandu

From 1985 to 1999

Overseas

1. Five days in South Asian workshop on Food, ecology and culture in Bangladesh, Aug 1997
2. 10 days in Ecological agriculture, Bangladesh, May 1995
3. Three weeks on training workshop, (Utilization, conservation and enhancement of plant genetic resource), Ethiopia, 15 Nov- 3 Dec 1993

National

1. Five days in Agro-forestry training, Kavreplanchowk, July 1997
2. Five days in training on Appropriate technologies of soil conservation farming system and soil management in the Himalayan region Godawari, ICIMOD, T& D farm, 9-13 June 1997
3. One day in Food security promotion workshop, Lalitpur, June 1997
4. Three days in Food security promotion program policy development workshop, Katmandu, March 1997
5. Five days in Participatory management of non-governmental development organizations, Dhulikhel, Feb 1997
6. Five days in Organic farming at A-3 farm, Bhaktapur, Dec 1996
7. Three days in 2nd National animal science convention, Khumaltar, Aug 1995
8. Five days in Gender development and environment workshop, Dhulikhel, Feb 1995
9. Three days in Permaculture graduate conferences, Lotus farm, Bhaktapur, 27-28 Dec 1994
10. Three days in Sloping agriculture land technology, Katmandu, Sept 1994
11. Two weeks in Animal health improvement, Pokhara, Aug 1994
12. One week in Mushroom farming, Lalitpur, July 1994

13. 15 days on Permaculture design course, Amaduwa, Sunsari, 18-30 April 1994
14. One month in Apiculture, Training for trainer, Godawari, Feb 1994
15. One week on Vegetable drying, Lalitpur, Feb 1994
16. 10 days in Jams and noodles preparation, Lalitpur, Aug 1993
17. Two months in Computer packages, Computer Links, Katmandu, 1992
18. 15 days in Tissue culture, Godhawari, Nov 1991
19. Seven days in Sericulture, Khhairenitar, April 1989
20. Two days in Data collection and forest protection program, Lamjung, Sept 1985

LIST OF PROJECTS INVOLVED

2021

1. Use of genetic diversity and evolutionary plant breeding for enhanced farmer resilience to climate change, sustainable crop productivity, and nutrition under rainfed conditions (EPB Project). 2019-2022, NARC, LIBIRD and Bioversity International
2. Conservation and utilization of agrobiodiversity (CUAB): CUAPGR and MALIM

2016

3. Characterization, Evaluation and Sustainable use of Plant Genetic Resources in Asian region (PGRAsia). 2015-2017, NIAS, Japan.
4. Collection and conservation of crop wild relatives (CWR) in Nepal. 2016-2018, Crop Diversity Trust and MSB, UK.
5. Collection, multiplication, characterization and safety duplication of wheat and barley landraces from Nepal. 2013, CIMMYT, Kathmandu.
6. Integrating traditional crop genetic diversity into technology: Using a biodiversity portfolio approach to buffer against unpredictable environmental change in the Nepal Himalayas. 2014-2020. UNEP-GEF.
7. Management of Agricultural Plant Genetic Resources (MAPGR) in Nepal. 2012-2014, NARC.
8. Morphological and Molecular Characterization of Selected Rice and Buckwheat Collections to Promote Use (IMPGR 2nd Phase). 2015-2017, AFACI, RDA, Korea.
9. Rebuilding local seed system: Collection, conservation and repatriation of native crop seeds in earthquake affected areas in Nepal. 2015-2017, Bioversity International, Rome.
10. Strengthening National Capacities to Implement the International Treaty on Plant Genetic Resources for Food and Agriculture (Genetic Resources Policy Initiatives -2, GRPI-2). 2012, Bioversity International, Rome.

Before 2014

1. Promoting conservation and sustainable use of genetic resources of food and agriculture for enhancing food security in Nepal. 2012. AFACI, RDA, Korea
2. Exploration, regeneration and conservation of endangered and local landraces of cereals and grain legumes from central mid and high hills of Nepal, AFACI Pan Asia, RDA Korea. 2012
3. Akabare Chilli Enhancement and diversity assessment. NARC, LIBIRD. 2012
4. Rayo Characterization and Diversity Assessment. NARC. 2012
5. Strengthening national capacities to implement the International Treaty on Plant Genetic Resources for Food and Agriculture GRPI-2). 2012. Bioversity Int'l
6. Management of Agriculture Genetic Resources in Nepal (Genebank), 2012
7. Diversity assessment of tomato using RAPD markers and coefficient of parentage, 2011.
8. Anther culture of tomato, 2010
9. Molecular tagging of resistant genes in tomato, 2009
10. Molecular tagging of agriculturally important traits and developing near isogenic lines in rice and buckwheat, 2007.
11. Rice landraces evaluation and enhancement 2006

12. Application of molecular markers towards the improvement of maize varieties and hybrids, 2006. Project leader, HP Bimb
13. Use of molecular markers in the study of genetic diversity of important crop species of Nepal. 2006 (wheat). Project leader, HP Bimb
14. RAPD survey in rice, 2005. Project leader, HP Bimb
15. Genetic manipulation and marker aided breeding for rice and buckwheat improvement, 2005
16. Evaluation of cytoplasmic male sterile lines of rice for hybrid seeds production, 2004. Project leader, S Bista
17. Development of elite lines using wild rice species, 2004. Project leader, SR Gupta
18. Seed supply and genetic diversity of barley, Nepal (Nov 2004 to Oct 2005). Project leader, J Bajracharya
19. Population genetic structure of Nepalese wild rice. Project leader: S Decombel, 2004
20. Study of maize technology adoption by farmers in hill region, 2003. Project leader, DMS Dongol
21. Classification of Nepalese Rice Cultivars and Landraces using Isozyme Markers, 2002
22. Arun Valley sustainable resources use and management pilot demonstration project, 2002 Project leader, TB Shrestha
23. Response of Mithe and Tite buckwheat in *in vitro* culture and the production of F₁ hybrid using embryo culture, 2001
24. Cultivars development of rice and wheat through anther culture, 2001
25. Breeders' seed production and maintenance of rice, wheat and maize varieties, 2001. Project leader A Mudwari
26. Rice varietal development for mid hills, 2001. Project leader S Bista
27. Development of high altitude rice varieties, 2001. Project leader S Bista
28. Crossability of *Oryza nivara* with some rice cultivars of *O sativa*, 2001. Project leader S Bista
29. Strengthening the scientific basis of *in situ* conservation of agrobiodiversity on farm in Nepal Project leader, MP Upadhyay (PPB, PVS, Diversity, Characterization, Evaluation, On farm agrobiodiversity, Population structure etc), 2000
30. Study of response of various ecotypes of buckwheat in culture and the possibility of production of hybrid of common and tartary buckwheat, 2000
31. Studies on micro propagation (in vitro) clonal production) of sugarcane varieties, 2000
32. Characterization and improvement of Nepalese rice using molecular techniques, 1998. Project leader RC Sharma
33. Wheat breeding research, 1998. Project leader RC Sharma

COMPUTER KNOWLEDGE

- Genstat, MSTATC, INSTAT, Minitab, SAS, RStudio, SPSS, IRRISTAT, STAR, SPAR, GGE Biplot, Agrobases, KIN, Past, DIPVIEW, etc
- Ntsys1.7, WinQTL Cartographer, Genestat, POPGENE, GDA, MapMaker, PyElph, GelAnalyzer, GenALEX, PowerMarker, Structure, MEGA, GIS tools (FloraMap, Maxent, CAT and DIVA-GIS), etc
- DOS, WP5.1, MS Word, MS PowerPoint, MX Excel, MS Outlook, MS Access, etc
- Photoshop, Acrobat, Google Form, SurveyMonkey, EndNote, Zotero, etc
- DbaseIV, Qbasic, Lotus 1-2-3 (2.2), Harvard Graphics, Internet Explorer, etc
- Typing speed: Very good (English & Nepali)

DRIVING

Motorcycle & Light vehicles (car...)

Supporting technically to brother's farm: Jungle Agriculture Farm, Gaubase, Lamjung (orchard, vegetables, rabbit keeping, apiary, goat farm, fish pound, silk and bamboo production program, nursery, agro-forestry system...) <https://sites.google.com/site/jafgaubase/biodata>

Membership

- Life member of Biotechnology Society of Nepal (BSN) 2021
- Founder member of Nepal Agrobiodiversity Society (NABS) 2021
- Founder member of plant breeding and genetics society of Nepal (PBaGSoN), 2020
- Association of Nepalese Agricultural Professionals of Americas (NAPA) 2020
- Action of Community Empowerment and Resilience Nepal (RACE-Nepal), Vice President
- Editor-In-Chief and Associate Editor-In-Chief for Journal of Nepal Agricultural Research Council since 2015
- Editorial member for Nepalese Agriculture Research Journal
- Institute of Agriculture and Animal Science Network (IAAS-Network)
- Life member of Nepal Biotechnology Association
- Nepal Agricultural Research Council Network (NARC-Network)
- Nepal Permaculture Group (NPG) <http://www.npg.org.np/home/index.php>
- Samibhanjyang Society Improvement Association, Chief Advisor
- Society of Agricultural Scientists Nepal (SAS-Nepal), Life member
- Society of Post Graduate Students, Tribhuvan University, IAAS (2056)
- Sustainable Integrated Development Center (SIDC), Advisor. <http://www.sidcnepal.org/>

TEST

- GRE (General test at 1-08-2008), Registration number: 7011-946) score: Verbal: 330, Quantitative: 630 and Analytical writing: 3
- TOEFL (IBT at 06 Sept 2008, Registration number: 06105521) score: 90

PERSONAL DETAILS

- Excellent health
- Left-handed and Versatile player
- Organized several volley ball, quiz/spelling contest
- Volleyball captain during campus student life in IAAS, Rampur
- Hobby is horse riding

MY WEB METRICS

Profile link

ORCID: <http://orcid.org/0000-0002-7848-5824>

LinkedIn: www.linkedin.com/in/bal-joshi-77bkj555

Google scholar profile: <https://scholar.google.com/citations?user=65DOKzMAAAAJ&hl=en>

ResearchGate profile: https://www.researchgate.net/profile/Bal_Joshi

Facebook profile: <https://www.facebook.com/bkjoshi>

Publication metrics

ResearchGate (Dec 2021)

Reads: 160,162

RG score: 27.59

Citations: 1431

h-index: 18

Google scholar

Citations: 2072

i10-index: 55

h-index: 21

AWARDS, FELLOWSHIP RECEIVED AND NOMINATIONS

2021

- Distinguished scientist award by Biotechnology Society of Nepal (BSN) Feb 2021

2020

- Special contributing scientist, 2017 by NARC
- Technology Award (National level) 2016, by NAST
- Most outstanding principal investigator for Integrated Management System of Plant Genetic Resources 2016, awarded by AFACI, RDA, Korea

Before 2014

- Graduate Research Assistantship in Tomato Breeding in North Carolina State University, NC, US, 2009
- RONPAKU fellowship for PhD in Tsukuba University, 2008-2012, JSPS, Japan
- Science and Technology Youth Award, 2007, NAST, Nepal
- Nominated by NARC for 1. Outstanding scientist of CGIAR science award 2007, 2. Outstanding scientific article of CGIAR science award 2007, 3. NARC award, Nepal, 2007, 4. Japan International Award for Young Agricultural Researchers, 2007 and 5. Young scientist award of NAST, Nepal 2005
- Best paper and presentation award on 2nd SAS convention, 2003 Khumaltar
- Best player award on volleyball
- 1st, 2nd, 3rd and 4th prizes on volley-ball
- 1st prizes on folk-dance
- 1st and 4th prizes on art
- 2nd prizes on football, quiz contest and athletics (10 km long run)
- 3rd prize on shot put and folk dance
- Participated in 100 m track, 400 m relay, long jump and badminton

LANGUAGES KNOWN

Nepali, English, Hindi, Japanese

COUNTRIES VISITED

India, Ethiopia, Bangladesh (2 times), Italy, Japan (4 times), China, USA, Thailand, Korea, Malaysia, Jordan, Kyrgyzstan

REFEREES

Dr Madhusudan P. Upadhyay Senior Scientist Satdobato, Lalitpur Mbl: 9843 108 310 Email: upadhyaymp@yahoo.com	Prof. Dr. Ram C. Sharma Regional Coordinator ICARDA-Tashkent Uzbekistan Email: r.c.sharma@cgiar.org	Dr Arun K. Joshi Principal Scientist CIMMYT, New Delhi, India Tel: 91 11 2584 2940 Email: a.k.joshi@cgiar.org
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CORRESPONDENCE

Genebank-NARC, Khumaltar
PO Box 3055, Kathmandu, Nepal
Tel: 977 1 527 5131 (O)
Mbl: 986 302 0222
Email: joshibalak@yahoo.com
Skype: bk.joshi
Web (pvt): <http://sites.google.com/site/jafgaubase>

URL (O): www.narc.org.np

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