

As on 1.11.2019

Name: Dr. Deepak Khare

Date of Birth (Damoh, MP): 14th November 1963

JPSS Chair Professor (Hydro Power) & Professor, Department of Water Resources Development & Management, Indian Institute of Technology Roorkee, ROORKEE, India

Educational Qualifications

B.E.	Civil Engg.	SGSITS (DAVV), Indore	1984	79.88% (I Div. with Distn).
M.E.	(Irrigation & WR)	SGSITS (DAVV), Indore	1988	75.20% (I Div. with Distn)
Ph.D.	(Civil-Water Resources)	UOR (IIT), Roorkee	1994	--

Employment Details.....(More than 34 years' experience)

Professor (HAG)	1 Jan, 2017 -Contd	IIT Roorkee	2 Yr 10 Months
Professor	April, 2008-Dec 2016	IIT Roorkee	8 Yrs 9 Months
Associate Professor	2001-April, 2008	IIT Roorkee	6 Yrs 7 Months
Lecturer, Sr. Lect., Asstt.Prof.	1985-2001	SGSITS Indore	16 Yrs 1 Months

Area of Interest:

Water Resources Planning & Management, Ground Water, Rainwater Harvesting and Watershed Management, Rural & Urban Water Management, Water Resources Structures, Climate Change

Publications	International	National	Total = 236
Journals	94	22	116
Seminar/Conference	66	48	114

Academic Activities: Teaching: UG (Till 2001) and PG courses in Water Resources Engineering

Ph.D.	Awarded (18) + Submitted (01)	=19
	Under Progress	=11
M.Tech. Thesis (Guided)		=101
Under Graduate Projects (Guided)		=04

Honors and Awards

Involved as subject expert in the preparation of strategy document of Vision for New India@75.

Now also a member for preparation of document 'Vision India 2035' by **Niti Aayog, New Delhi**

National Awards: (06)

- (i) **"Career Award"** by AICTE New Delhi for Young Teachers, 1995
- (ii) **"U.P. Government National Award"** by ISTE New Delhi, 2002
- (iii) **"Hari Om Ashram Trust award"** by UGC, New Delhi, 2004.
- (iv) **"JAL NIRMALATA PURASKAR"** by IWWA, 2017
- (v) **"Eminent Water Resources Scientist Award"** by IWRS, 2018
- (vi) **"Aqua Foundation's Excellence Award 2019"**, by Aqua Foundation Delhi, 2019

Other Awards:

- (vii) **"Outstanding Teacher's Award-2014"** by IIT Roorkee
- (viii) **"Global Water Leadership Award"** 2016 on "World CSR Day" by World CSR Congress.
- (ix) **Distinguished Scientist-Water Resources, Venus International Foundation 2016**
- (x) **Uttarakhand Eminent Engineer Award** by The IE (India), UKSC for 2017: received on 15 Sep., 2019
- (xi) *Principal Member*, Sectional sub-committee of Bureau of Indian Standards, New Delhi for standard on "Water Harvesting and Catchment Area Treatment".
- (xii) *Star Performer*, IIT Roorkee, (02 times) in 2003-2004 and 2004-2005

Research and Consultancy: (Completed) R & D Projects: 10 Consultancy Projects :27

Courses/Seminars-Co-ordinated/Organized (Training Courses +Seminars) (42+09) =51

Administrative and other Responsibilities

1. Head of Department of W.R.D & M. from 1.1.2013 to 29.2.2016
2. Associate Dean of Student's Welfare (Foreign Students) April., 2006 – Dec., 2010
3. Professor In-charge Security- July 2010-Dec., 2010
4. Associate Dean (Mess) Jan., 2008 to July, 2008
5. NSS Coordinator Jan 2011 to Feb, 2012
6. Chief Warden KIH, Jan 2003 to March 2006
7. Sports Advisor Stores, 2006 and 2007
8. Executive Vice President, Indian Water Resources Society (IWRS) 2013-2016 (Feb)
9. National Secretary, Indian Water Resources Society (IWRS) 2003-2005
10. **Warden**, H.Bhabha Hostel, Jan., 1995 to Sep. 2001 (INDORE)

Visits abroad: USA, UK, Germany, Austria, Czech Republic, Australia, Singapore, Malaysia, Hungary

Membership in Professional Societies: IAHR, ICID (International)

Life member of IWRS, IWWA, IE (India), ISTE, IAH, ISRS, INCA, IGS, IWA

About Dr. Deepak Khare



Name	Dr. DEEPAK KHARE
Designation	JPSS Chair Professor (Hydro Power) & Professor (HAG)
Department & Full Address	Water Resources Development & Management Indian Institute of Technology Roorkee ROORKEE 247 667 (Uttarakhand), INDIA
Contacts	+91 -1332 - 285393 (Office) 285152 (Res.) Cell: +91-9412990808 and +91-8979775124 E-mail: khareftw@iitr.ac.in khareftw@gmail.com Page: http://www.iitr.ac.in/~WRT/khareftw
Date of Birth	14 th November 1963 (Place: Damoh, MP)

Educational Qualifications

Degree	Field	Board/University	Year	Div.	%	Remark
High. Sec.	Phy. Chem. Maths	M.P. Board	1979	I	78.50	National Schol
B.E.	Civil Engg.	SGSITS, Indore	1984	I	79.88	With Distn
M.E.	Irrigation & WR	SGSITS, Indore	1988	I	75.20	With Distn
Ph.D.	Water Resources	UOR (IIT) Roorkee	1994	-	--	

Experience

Duration	Institution	Designation	Experience
1.1.2017 to Till Date	IIT Roorkee	Professor (HAG)	1 Yrs 9 Months
15 April, 2008 to 31.1.2016	IIT Roorkee	Professor	0 8 Yrs, 9 Months
21 Sep.,01 to April, 2008	IIT Roorkee	Associate Professor	06 Yrs, 7 Months
Aug.'97 to 20 Sep.,2001	SGSITS,Indore	Assistant Professor	04 Yrs 1 Months
Aug.'91 to July,97	SGSITS,Indore	Sr. Lecturer	6 Yrs
Aug.'85 to July'91	SGSITS,Indore	Lecturer	6 Yrs

Total: 34 Yrs 01 Months

Area of Interest

Water Resources Planning & Management, Ground Water, Rainwater Harvesting and Watershed Management, Rural and Urban Water Management, Water Resources Structures, Climate Change

Honors and Awards: National Awards (06)

1. Selected by All India Council for Technical Education (AICTE) New Delhi for "CAREER AWARD for Young Teachers Scheme" in 1995
2. Received "U.P. GOVERNMENT NATIONAL AWARD" for the year 2002 by Indian Society for Technical Education (ISTE) New Delhi for outstanding work done in the area of 'Rural Oriented and Socially Relevant Development Activities'.
3. Received the "University Grant Commission (UGC)-Hari Om Ashram Trust award" under "Award to Outstanding Scientists/social Scientists in the field of Interaction between Science and Society" in 2004.
4. Received the "JAL NIRMALATA PURASKAR" for 2016-17, instituted by Indian Water Works Association (IWWA), having its Head Quarters in 50th Annual Convention of IWWA during February 19-21 Panji GOA, 2018.
5. Received "Eminent Water Resources Scientist Award" by Indian Water Resources Society (IWRS) for 2018 for outstanding contribution in the field of water resources.
6. Received "Aqua Foundation's Excellence Award 2019", under the category of Academic Excellence: Individual at New Delhi by Aqua Foundation on 30 October, 2019.

Other Awards

7. Outstanding Teacher's Award-2014 by IIT Roorkee
8. 'Global Water Leadership Award', 2016 at Mumbai on "World CSR Day" where fifty most Impactful Leaders in Water & Water Management were recognized at the World CSR Congress.
9. Distinguished Scientist-Water Resources, Venus International Foundation 2016
10. Uttarakhand Eminent Engineer Award instituted by The Institution of Engineers (India), Uttarakhand State Centre (UKSC) for 2017 received on 15 Sep., 2019
11. Star Performer for the year 2003-2004 & for the year 2004-2005 by IIT Roorkee

Kathpalia Award (of IIT Roorkee) for Students for M.Tech Thesis

1. In 2013 (Name of Student- Nitin Mishra)
2. In 2014 (Name of Student- Sandeep Kumar)
3. In 2015 (Name of Student- Rasmita Kumari Sahu)
4. In 2016 Best Project Award to Ms. Sakshi Gupta

Details of BIS STANDARDS (Worked as Principal Member)

- (i) For standard on "Roof Top Rainwater Harvesting-Guidelines" IS-15797:2008 of Bureau of Indian Standards, New Delhi, pp14, May 2008
- (ii) For standard on "Artificial Recharge to Ground Water-Guidelines" IS-15792:2008 of Bureau of Indian Standards, New Delhi, pp14, May 2008

Involvement as Expert with NITI AAYOG, New Delhi

- (i) I was nominated by Niti Aayog, New Delhi (in 2017) as member of the Expert Group related to Water Resources Development, Management and Efficient Utilization to seek inputs for Development Agenda for New India@75. The report was published in Nov., 2018.
- (ii) Recently (in April, 2019) Niti Aayog has empanelled me as the eminent sector expert of Water Resources, where they will consult for the evaluation of the Schemes pertaining to Water Resources Sector of the Nation.
- (iii) In early Oct., 2019, received an invitation from Niti Aayog conveying me to be a part of Expert Group for the preparation of Vision India 2035. The Vision will envisage the strengths, weaknesses, opportunities and threats of various interventions for making India sustainably and holistically developed economy in the next fifteen years.
- (iv) Very recently (29 Oct, 2019) Niti Aayog has constituted a Committee, for formulation of strategy for Flood Management Works in entire country and River Management Activities and works related to Border Areas (2020 - 23), where I am a member

Administrative and Institution Level Responsibilities

At IIT Roorkee

1. Head of Department of W.R.D & M. w.e.f 1.1.2013 to 29.2.2016
2. Executive Vice President, Indian Water Resources Society (IWRS) Jan.,2013 to Feb,2016
3. Coordinator NSS Jan 2011- Feb 2012
4. Associate Dean (Foreign Students') Sep., 2007 –Dec 2010
5. Professor Incharge Security- July 2010- Dec 2010
6. Associate Dean (Mess) Jan., 2008 – July, 2008
7. Foreign Students' Advisor April., 2006 – Sep., 2007
8. Sports Advisor April., 2006 and 2007
9. Chief Warden KIH, Jan 2003 to March 2006
10. National Secretary, Indian Water Resources Society (IWRS) 2003-2005
11. Member Guest House Advisory Committee 2003-2005, IITR
12. Member Guest House Restructuring Committee 2005-2006, IITR

At SGSITS-Indore

13. Warden , H.Bhabha Hostel, Jan., 1995 to Sep. 2001
14. Post Graduate (PG) *Tabulator Exams for 04 Years* (1997-2001) at Indore

PROJECTS

R & D Projects- :10 (Completed) :146.35 Lacs

SN	Title of the Project	Year/ Duration	Amt (Lacs)	Funding Agency	PI/CoPI	Remark
Completed						
1	Ground Water Modeling and Conjunctive Use Planning of Surface and Ground Water	1995-1998	6.20	AICTE	Deepak Khare	PI
2	"Performance Evaluation of Filters and its Economic Analysis for Rain Water Harvesting"	2000-2001	0.60	IMC, Indore, MP	Deepak Khare	PI
3	"Conjunctive use Planning and Management of Surface and Ground Water" (In a Canal Command of Tawa Project of M.P.	2000-2003	12.75	MOWR, GOI	Deepak Khare	PI
4	Preparation of DPR on "Creation of Technical Infrastructure for Rainwater Harvesting in India"	2003	0.50	NCP, AICTE	Deepak Khare	PI
5	"Perspective of Rainwater Harvesting in Drought Prone Region of Madhya Pradesh"	2003-2006	10.00	MHRD	Deepak Khare C.S.P. Ojha	PI
6	"Water Security for Hilly Regions of North East Through Rainwater Harvesting"	2005-2008	21.00	MHRD	Deepak Khare	PI

7	Preparation of DPR on “Assessment of Climate Change & Its Impact on Urban Hydrology: Indian Perspective” Under (NCP) Nationally Coordinated Project	2009	0.40	AICTE New Delhi	Deepak Khare	
8	Conjunctive Use Planning of Water Resources Considering Spatial Variation in Cropping Pattern Using Remote Sensing and GIS.	2009-2017	24.00	INCOH, MoWR, New Delhi	Deepak Khare	PI
9	“Assessment of Climate Change & Its Impact on Urban Hydrology: Indian Perspective” Under (NCP) Nationally Coordinated Project	2011-2017	40.00	AICTE New Delhi	Deepak Khare	PI
10	Analysis of dynamic performance of variable speed hydroelectric plants under grid disturbances	2015-2018	31.3	Tehri Hydropower Development Corp. (I) Ltd	Dr. Thanga Raj Chelliah & Deepak Khare.	PI Co-PI

PI: Principal Investigator CPI-Co-Principal Investigator

Consultancy Projects

27 (Completed) 828.30 Lacs

SN	Title of the Project	Year/ Duration	Amt (Lacs)	Funding Agency	PI/CoPI	Remarks
Completed						
1	Planning & design of Rainwater Harvesting system at Chambal Fertilizer and Chemical Limited, Kota, Rajasthan	2003-2004	1.65	CFCL Kota	Deepak Khare U.C. Chaube C.S.P. Ojha	PI
2	“Planning & design of Rainwater Harvesting system at ITC Saharnapur”. (2005-2006)	2005-2006	1.40	ITC, Saharanpur	Deepak Khare	PI
3	“Hydrology (Surface & Groundwater) and Infiltration Studies” For SASAN Mega Project	2005-2006	7.00	Desein Company Ltd	U.C. Chaube G.C. Mishra Deepak Khare	Mbr
4	“Augmentation of Source and Water Conservation & Recharge-Preparation of DPR’s for Dehradun & Almora Cities”	2003-2006	15.00	Uttaranchal Govt.	Deepak Khare P.K. Garg U.C. Chaube	PI
5	“Planning & design of Rainwater Harvesting system for Jalandhar City, Punjab”.	2006-2007	3.30	JMC, Jalandhar	Deepak Khare	PI

SN	Title of the Project	Year/ Durat ion	Amt (Lacs)	Funding Agency	PI/CoPI	Remar k
6	"Conservation Plan for river Kshipra Ujjain (MP)"	2008-2009	68.39	MP Govt.	Arun Kumar AHEC Project Deepak Khare	PI Tm Mbr
7	"Development for Sustainable Basin Planning and Decision Support System for MPWSRP for Two River Basins (Sindh & Tons) in MP"	2009-2011	15.0	MP Govt.	Arun Kumar AHEC Project Deepak Khare	PI Tm Mbr
8	Assessment of Cumulative Impact of Hydro Electric Projects in Alaknanda-BhagirathiBasin up to Devprayag.	2010-2011	86.00	MOEF	Arun Kumar AHEC Project Deepak Khare	PI Tm Mbr
9	Design and Detailing of Earth Dam and Ash pond for CHHURI Thermal Power Project at KORBA	2011-2013	10.00	DESEIN Private Limited, New Delhi.	Deepak Khare	PI
10	Hydrological Analysis and Design of Hydraulic Structure at River Nandha Choe and Lake at Panchkula	2011-2013	10.00	HUDA Division No. III, Govt of, Panchkula Haryana	Deepak Khare	PI
11	Evaluation Study of irrigation projects sanctioned by NABARD under RIDF	2013-2014	10.00	NABARD, Dehradun	Deepak Khare Ashish Pandey	PI
12	Ground water Potential study and Ground Water survey for deep bore well	2013-2014	8.00	United Spirits Ltd, Bangalore	Deepak Khare	PI
13	"Area Drainage and Hydrological Studies" for the site for 1320 MW (2x660) MW Super-Critical Coal Based Project Adra (Manpura), in PuruliaDistt.	2012-2014	17.00	DESEIN Private Limited, New Delhi.	Deepak Khare	PI
14	Hydro Geological Study of the Area for Dondaicha Thermal Power Project, District Dhule, Maharashtra	2012-2014	8.00	DESEIN Private Limited, New Delhi.	Deepak Khare	PI
15	"Evaluation of the DPR of Suridhar Gram Samuh Pumping Peyjal Yojana"	2014-2015	10.6	SWSM Department of Drinking Water, Uttarakhand	Deepak Khare & team	PI
16	Examination of the DPR of Chamba Mussorrie Phalpatti, Surkanda Devi Gram Samuh Pumping Peyjal Yojana	2014-2015	18.87	SWSM Department of Drinking Water, Uttarakhand	Deepak Khare & team	PI

SN	Title of the Project	Year/ Duration	Amt (Lacs)	Funding Agency	PI/CoPI	Remark
17	Verification of the Completion Cost of Myntdu Leshka H.E. Project (3x42 MW), Jaintia Hills District, Meghalaya	2014-2015	60.00	MePGCL, Shillong, Meghalaya	Deepak Khare & team	PI
18	Evaluation of BALAWALA PEYJAL SCHEME, Doiwala Block, Dehradun	2014-2015	7.05	SWSM Department of Drinking Water, Uttarakhand	Deepak Khare & team	PI
19	Cumulative Scientific Study to Assess the Impact of Existing and Proposed Hydro Power Stations on Eastern Ganga Basin in Bageshwar (Uttarakhand),	2013-2015	53.4	UJVNL, Uttarakhand Government Dehradun	D.D. Das, SK Mishra, ML Kansal Deepak Khare	Member
20	Cumulative Scientific Study to Assess the Impact of Existing and Proposed Hydro Power Stations on Saryu River Basin in Bageshwar (Uttarakhand),	2013-2015	53.4	UJVNL, Uttarakhand Government Dehradun	D.D. Das, SK Mishra, ML Kansal Deepak Khare	Member
21	Study to assess the water availability for the proposed Ghatampur Thermal Power Station (GTPS) - (3x660 MW)- from Allahabad West Branch Canal/Or any other alternate Sources	2014-2015	60.00	NEYVELI LIGNITE CORPORATION LTD., NEYVELI	Deepak Khare S.K. Mishra P.K. Mishra	PI
22	Evaluation and Checking of Adequacy of Project Components for 20% Overload Conditions of Karcham-Wangtoo Hydroelectric Project in Himachal Pradesh	2015-2016	30.0	Jaiprakash Power Ventures Limited (JPVL), Noida	Deepak Khare & team	PI
23	"Expert Opinion for Modification and Reconstruction of Energy Dissipation Arrangement of ISP Dam at ISPS, Narmada Nagar, Distt- Khandwa (MP)"	2015-2016	5.0	NHDC Limited NHDC Parisar, Shyamla Hills, Bhopal	Deepak Khare	PI
24	Design of a composite Dam & Dam toe power house of Erach Dam, JHANSI district	2015-2017	86.24	Ghanaram infra Engineers Pvt.Ltd, Jhansi	Deepak Khare & team	PI
25	PFR for Drainage system with rainwater harvesting in Express way	2016-17	5.00	M/s AFCONS Industrial Estate, Veera Desai Andheri (W), Mumbai	Hari Prasad CSP Ojha Deepak Khare	Member
26	"SURFACE MASTER RUNOFF STUDY FOR IPP SESA STERLITE LIMITED, JHARSUGUDA"	2014-2017	98.00	SESA STERLITE LIMITED-Venanta	S.K. Mishra Deepak Khare Ashish Pandey U C Chaube	PI
27	Revised design /retrofitting of Composite Erach dam JHANSI district	2016-2017	80.00	Ghanaram infra Engineers Pvt.Ltd, Jhansi	Deepak Khare & team	PI

PI: Principal Investigator

Visits of other countries:

USA, UK, Australia, Singapore, Germany, Austria, Czech Republic, Malaysia, Hungary

Courses/Seminars Workshops- Co-ordinated/Organised (42+09)=51

Refresher Courses/ Training Programme Organized: 42

SN	Name of Activity	Title of Course	Sponsoring Agency	Duration	Coordinator
42	Training Course	6 Weeks- Orientation Program on "HYDROPOWER DEVELOPMENT AND GENERAL MANAGEMENT"	UJVNL Dehradun (Uttarakhand)	07 March-14 April, 2017	S. Rangnekar Deepak Khare B.K. Gandhi
41	Training Course	ASSESSMENT OF SOIL EROSION AND SEDIMENTATION CONTROL IN HYDROPOWER PROJECTS	NHPC, New Delhi	30 Jan-01 Feb 2017	Deepak Khare
40	Training Course	ASSESSMENT OF SOIL EROSION AND SEDIMENTATION CONTROL IN HYDROPOWER PROJECTS	NHPC, New Delhi	07-09 January 2016	Deepak Khare S.K. Mishra
39	Training Course	Dam break analysis	NHPC, New Delhi	02-04 October 2015	S.K. Mishra Deepak Khare
38	Training Course	Capacity Building of Minor Irrigation Organisation	OCTDMS cum- Addl. Secretary to Govt., Dept. of Water Resources Govt. of Odisha, Bhubaneswar	14-19 Sep, 2015	Deepak Khare
37	Training Course	Capacity Building of Minor Irrigation Organisation	OCTDMS cum- Addl. Secretary to Govt., Dept. of Water Resources Govt. of Odisha, Bhubaneswar	21-26 Sep, 2015	Deepak Khare
36	Training Course	Dam break analysis	NHPC, New Delhi	26-30 December, 2014	S.K. Mishra Deepak Khare
34	Training Course	Ground Water development, Assessment & Management	NABARD, HO, Mumbai	23-28 Dec. 2013	Deepak Khare

SN	Name of Activity	Title of Course	Sponsoring Agency	Duration	Coordinator
33	Training Course	Capacity Building of Minor Irrigation Organisation	OCTDMS cum-Addl. Secretary to Govt., Dept. of Water Resources Govt. of Odisha, Bhubaneswar	26 Nov-2 Dec, 2013	Deepak Khare
32	Training Course	Capacity Building of Minor Irrigation Organisation	OCTDMS cum-Addl. Secretary to Govt., Dept. of Water Resources Govt. of Odisha, Bhubaneswar	11-16 Nov2013	Deepak Khare
31	Training Course	Capacity Building of Minor Irrigation Organisation	OCTDMS cum-Addl. Secretary to Govt., Dept. of Water Resources Govt. of Odisha, Bhubaneswar	23-28 Sep 2013	Deepak Khare
30	Training Course	Capacity Building of Minor Irrigation Organisation	OCTDMS cum-Addl. Secretary to Govt., Dept. of Water Resources Govt. of Odisha, Bhubaneswar	16-21 Sep 2013	Deepak Khare
29	Training Course	Capacity Building of Minor Irrigation Organisation	OCTDMS cum-Addl. Secretary to Govt., Dept. of Water Resources Govt. of Odisha, Bhubaneswar	26 Feb- to 3 March, 2013	Deepak Khare
28	Training Course	Project Management for River Valley Projects	NHPC, New Delhi	21-25 Jan., 2013	Deepak Khare
27	Training Course	Project Management for River Valley Projects	NHPC, New Delhi	29 Oct-2 Nov, 2012	Deepak Khare
26	Training Course	Project Management for River Valley Projects	NHPC, New Delhi	16-20 January, 2012	Deepak Khare
25	Training Course	Catchment Area Conservation and Management Aspects	Dept of Drinking Water, Swajal, Uttarakhand	1-3 September, 2011	Deepak Khare B.K. Gandhi
24	Training Course	Catchment Area Conservation and Management Aspects	Dept of Drinking Water, Swajal, Uttarakhand	3-5 September, 2011	Deepak Khare B.K. Gandhi

SN	Name of Activity	Title of Course	Sponsoring Agency	Duration	Coordinator
23	Training Course	Feasibility, Design & DPR preparation	Dept of Drinking Water, Swajal, Uttarakhand	28 Feb-4 March, 2011	Deepak Khare B.K. Gandhi
22	Training Course	“Construction Supervision and Operation & Maintenance ”	Dept of Drinking Water, Swajal, Uttarakhand	14-18 Feb., 2011	Deepak Khare B.K. Gandhi
21	Training Course	“Construction Supervision and Operation & Maintenance ”	Dept of Drinking Water, Swajal, Uttarakhand	31 Jan.-4 Feb., 2011	Deepak Khare B.K. Gandhi
20	Training Course	“Construction Supervision and Operation & Maintenance ”	Dept of Drinking Water, Swajal, Uttarakhand	24-28 January, 2011	Deepak Khare B.K. Gandhi
19	Training Course	“Construction Supervision and Operation & Maintenance ”	Dept of Drinking Water, Swajal, Uttarakhand	17-21 January, 2011	Deepak Khare B.K. Gandhi
18	Training Course	“Construction Supervision and Operation & Maintenance ”	Dept of Drinking Water, Swajal, Uttarakhand	10-14 January, 2011	Deepak Khare B.K. Gandhi
17	Training Course	“Construction Supervision and Operation & Maintenance ”	Dept of Drinking Water, Swajal, Uttarakhand	11-15 October, 2010	Deepak Khare B.K. Gandhi
16	Training Course	“Construction Supervision and Operation & Maintenance ”	Dept of Drinking Water, Swajal, Uttarakhand	13-17 September, 2010	Deepak Khare B.K. Gandhi
15	Training Course	Feasibility, Design & DPR preparation	Dept of Drinking Water, Swajal, Uttarakhand	5-9 Jan, 2010	Deepak Khare B.K. Gandhi
14	Training Course	Project Management for River Valley Projects	NHPC, New Delhi	22-26 Nov, 2010	Deepak Khare
13	Training Course	Feasibility, Design & DPR preparation	Dept of Drinking Water, Swajal, Uttarakhand	12-16 Jan, 2010	Deepak Khare B.K. Gandhi
12	Training Course	Feasibility, Design & DPR preparation	Dept of Drinking Water, Swajal, Uttarakhand	5-9 Jan, 2010	Deepak Khare B.K. Gandhi

SN	Name of Activity	Title of Course	Sponsoring Agency	Duration	Coordinator
11	Training Course	Feasibility, Design & DPR preparation	Dept of Drinking Water, Swajal, Uttarakhand	14-18 Dec, 2009	Deepak Khare B.K. Gandhi
10	Training Course	Feasibility, Design & DPR preparation	Dept of Drinking Water, Swajal, Uttarakhand	7-11 Dec, 2009	Deepak Khare B.K. Gandhi
9	Training Course	Feasibility, Design & DPR preparation	Swajal, Uttarakhand	23-27 Nov, 2009	Deepak Khare B.K. Gandhi
8	Training Course	Feasibility, Design & DPR preparation	Swajal, Uttarakhand	16-20 Nov, 2009	Deepak Khare B.K. Gandhi
7	Training Course	Feasibility, Design & DPR preparation	Swajal, Uttarakhand	16-20 March, 2008	Deepak Khare B.K. Gandhi
6	Training Course	Feasibility, Design & DPR preparation	Swajal, Uttarakhand	4-8 Feb, 2008	Deepak Khare B.K. Gandhi
5	Training Course	Feasibility, Design & DPR preparation	Swajal, Uttarakhand	8-12 Jan, 2008	Deepak Khare B.K. Gandhi
4	Short Term Course	Advanced Applications of SCS-CN Technique	<i>QIP, IIT Roorkee,</i>	30 Oct-3 Nov, 2006	Deepak Khare B.K. Gandhi
3	Short Term Course	Water Management for Sustainable Agriculture production in canal commands	<i>Ministry of Water Resources, New Delhi</i> <i>(at CEP, IIT Roorkee)</i>	21-27 Feb, 2005	S.K. Tripathi Deepak Khare
2	ISTE Winter School	"Computer Applications on Surface and Ground Water Hydrology"	AICTE-ISTE New Delhi (at SGSITS Indore)	8-20 Jan., 1996.	R.K.Shrivastav a Deepak Khare
1	Refresher Course	"Ground Water Economics"	International Training Centre (ITN) Centre (India), All India Institute of Hygiene & Public Health, Calcutta (at SGSITS Indore)	16 -21 Oct, 1995	Deepak Khare R.K. Shrivastava

Seminars/Workshops Organized: 09

SN	Name of Activity	Title of Seminar/Workshop	Organized By /Sponsoring Agency	Duration	Coordinator/ Convener
9	Workshop	National Workshop on Power Electronics 2017 on “Strengthening Grid Energy Storage Through Power Electronics - Challenges and Research Opportunities”	Ministry of Electronics and Information Technology (MietY), under the aegis of National Mission on Power Electronics Technology (NaMPET) IIT Roorkee	9-11 October 2017	Deepak Khare (Chairman) Dr. Thanga Raj Chelliah (Convener)
8	Workshop	“Climate Change: Issues And Challenges With Special Emphasis For Hilly Region”	QIP, IIT Roorkee and IWRS	March 28, 2014	Deepak Khare (Chairman)
7	Workshop	“Advanced Control and Computing Technologies for Reliable Industrial Electricity Saving (ACCTRIES-14)”	Uttarakhand State Council of Science and Technology	17 th to 18 th February, 2014	Thanga Raj Deepak Khare S.P. Shrivastava
6	Workshop	“Water Use Efficiency”	IWRS and WRDM IITR	9th Dec., 2013	Deepak Khare Chairman
5	International Symposium	“Recent Advances in Water Resources Development & Management”	WRDM IIT Roorkee	23-25 November, 2005	Deepak Khare Org. Secretary
4	Workshop	“Water Conservation and Rain Water Harvesting”	Institution of Engineers (I) Roorkee Centre	15 th December 2005	Deepak Khare Convener S.K. Jain Org. Secretary
3	Panel Discussion	“Floods and Drought Management”	IWRS	28 August, 2004	Deepak Khare Convener
2	Workshop	“Rain Water Harvesting: Need of People’s Participation”	SGSITS, Indore and IMC (at SGSITS Indore)	23 rd Sep., 2000	Deepak Khare Org. Secretary
1	Workshop	"Preparation of the Laboratory Manual for Computer Simulation Lab"	M.P. Council for Science and Technology, Bhopal (at SGSITS Indore)	1-3 Sep., 1995	Deepak Khare RakeshKhare R.K. Shrivastava

Membership in Professional Societies			
Name of Society/Organization			Membership No.
International			
1	International Association for Hydro-Environment Engineering and Research	IAHR	IAHR -55426.
2	International Commission on Irrigation and Drainage (ICID)	ICID	DM/IND/2018/3013
National			
3	Institution of Engineers (India)	IE(India)	F-122947-4 CV
4	Indian Water Resources Society	IWRS	F-02-1123
5	Indian Water Works Association	IWWA	LM-2025
6	Indian Society for Technical Education	ISTE	LM-2590
7	Indian Society of Remote Sensing	ISRS	LM-1480
8	Indian Association of Hydrologist	IAH	LM- 530
9	Indian Association of Soil and Water Conservation	IASWC	LM-1244-K
10	Indian Geotechnical Society (Indore Centre)	IGS	LM-028
11	Indian National Cartographic Association	INCA	LM-1281

REVIEWER OF INTERNATIONAL JOURNALS

- (i) Groundwater for Sustainable Development Journal, Elsevier
- (ii) Journal of Journal of Hydrology, Elsevier
- (iii) Journal Land Degradation & Development
- (iv) Journal Urban Climate
- (v) Water Science and Technology: Water Supply, IWA Publication
- (vi) Landscape and Urban Planning Journal, Elsevier
- (vii) Reviewed papers of Landscape and Urban Planning Journal, Elsevier
- (viii) Acta Geophysica, Springer Journals
- (ix) International Journal of Climatology
- (x) ISH Journal of Hydraulic Engineering
- (xi) Euro-Mediterranean Journal for Environmental Integration
- (xii) South African Geographical Journal

Publication/Ph.D./M.Tech-----at a Glance

Publications	236
Ph.D Awarded/Completed	18
Ph.D Under Progress	08
M.Tech. Thesis (Guided)	101
Under Graduate Projects (Guided)	04

PUBLICATIONS

Books Authored:

1. B.N. Asthana and Deepak Khare. "Dam Engineering 1st ed. 2019 Edition" , Capital Publishing Company with Springer (2019), ISBN-10: 938189146X: ISBN-13: 978-9381891469

Books/Proceedings- Edited:

2. Khare Deepak, Mishra S. K., Tripathi S. K., Chauhan Gopal, Sharma Nayan (Editors), Recent Advances in Water Resources Development & Management Vol-I, Allied Publisher, 2005
3. Khare Deepak, Mishra S. K., Tripathi S. K., Chauhan Gopal, Sharma Nayan (Editors), Recent Advances in Water Resources Development & Management Vol-II, Allied Publisher, 2005

Research Papers in International Journals: (100)

2019

1. Singh, Lakhwinder, and **Deepak Khare**. "Estimation of Urban Area Surface Temperature with Landsat 8 Thermal Band Using GIS: A Case Study of Jaipur City." *Applications of Geomatics in Civil Engineering*. Springer, Singapore, 2019. 239-247.
2. Meshesha, Tesfa Worku, and **Deepak Khare**. "Towards integrated water resources management considering hydro-climatological scenarios: an option for sustainable development." *Environmental Systems Research* 8.1 (2019): 5.
3. Karthik Desingu, Raghu Selvaraj, Thanga Raj Chelliah & **Deepak Khare**. "Effective utilization of parallel connected megawatt three-level back-to-back power converters in variable speed pumped storage units." *IEEE Transactions on Industry Applications* (2019).
4. Bhattacharya, Tanmoyee, **Deepak Khare**, and Manohar Arora. "A case study for the assessment of the suitability of gridded reanalysis weather data for hydrological simulation in Beas river basin of North Western Himalaya." *Applied Water Science* 9.4 (2019): 110.
5. Shukla, Rituraj, and **Deepak Khare**. "Land Use/Land Cover Change Detection of Indira Sagar Canal Command Area Using Integrated Remote Sensing and GIS Tools." *Research & Reviews: Journal of Space Science & Technology* 2.2 (2019): 27-35.
6. Aawar, Taha, **Deepak Khare**, and Lakhwinder Singh. "Identification of the trend in precipitation and temperature over the Kabul River sub-basin: a case study of Afghanistan." *Modeling Earth Systems and Environment* (2019): 1-18.
7. Pandey Brij Kishor, **Deepak Khare**, Akiyuki Kawasaki, Prabhash K Mishra. "Climate change impact assessment on blue and green water by coupling of representative CMIP5 climate models with physical based hydrological model." *Water resources management* 33.1 (2019): 141-158.

2018

8. Karthik Desingu, Raghu Selvaraj, Thanga Raj Chelliah & **Deepak Khare**, Effective Utilization of Parallel Connected Megawatt Three-Level Back-to-Back Power Converters in Variable Speed Pumped Storage Units, Conference: 2018 IEEE Industry Applications Society Annual Meeting, October 2018
9. Radha Krishan, Bhaskar R. Nikam, Santosh Pingale, Ayush Chandrakar & **Deepak Khare**, Analysis of Trends in Rainfall and Dry-Wet Years over a Century in Eastern Ganga Canal Command. Meteorological Applications DOI: 10.1002/met.1721, September 2018
10. Brij Kishor Pandey, **Deepak Khare**, Akiyuki Kawasaki, Prabhash Mishra. Climate Change Impact Assessment on Blue and Green Water by Coupling of Representative CMIP5 Climate Models with Physical Based Hydrological Model, Water Resources Management, DOI: 10.1007/s11269-018-2093-3, September 2018
11. Afera Halefom, Ermias Sisay, Tesfa Worku, **Deepak Khare**, Mihret Dananto, Kannan Narayanan. Precipitation and Runoff Modelling in Megech Watershed, Tana Basin, Amhara Region of Ethiopia, American Journal of Environmental Engineering 2018, 8(3): 45-53, DOI: 10.5923/j.ajee.20180803.01
12. Raghu Selvaraj, Karthik Desingu, Thanga Raj Chelliah, **Deepak Khare** & C. Bharatiraja., “Fault Tolerant Operation of Parallel-Connected 3L-Neutral-Point Clamped Back-to-Back Converters Serving to Large Hydro-Generating Units”, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, VOL. 54, NO. 5, SEPTEMBER/OCTOBER 2018
13. Collins Andoh, Sakshi Gupta and **Deepak Khare**. “Status of Rainwater Harvesting (RWH) in Ghana” , Current World Environment, ISSN: 0973-4929, Vol. 13, No. (1) 2018, Pg. 172-179
14. Kundu, S., Mondal, A., **Khare, D.**, Hain, C., & Lakshmi, V. (2018). Projecting Climate and Land Use Change Impacts on Actual Evapotranspiration for the Narmada River Basin in Central India in the Future. Remote Sensing, 10(4), 578.
15. Worku, T., **Khare, D.**, & Tripathi, S. K. (2018). Spatiotemporal trend analysis of rainfall and temperature, and its implications for crop production. Journal of Water and Climate Change, jwc2018064.
16. Nema, M. K., **Khare, D.**, Adamowski, J., & Chandniha, S. K. (2018). Spatio-temporal analysis of rainfall trends in Chhattisgarh State, Central India over the last 115 years. Journal of Water and Land Development, 36(1), 117-128.
17. Joseph, A., Desingu, K., Semwal, R. R., Chelliah, T. R., & **Khare, D.** (2018). Dynamic performance of pumping mode of 250 MW variable speed hydro-generating unit subjected to power and control circuit faults. IEEE Transactions on Energy Conversion, 33(1), 430-441.
18. Mondal, A., **Khare, D.**, & Kundu, S. (2018). A comparative study of soil erosion modelling by MMF, USLE and RUSLE. Geocarto International, 33(1), 89-103.
19. L Singh, **D Khare**, N Mishra - Remote Sensing and GIS for Groundwater Potential Zones Ghagger Watershed, Himachal Pradesh, Journal of Graphic Era University, 2018
20. Worku, T., Tripathi, S. K., & Khare, D. (2018). Household level tree planting and its implication for environmental conservation in the Beressa Watershed of Ethiopia. Environmental Systems Research, 6(1), 10.

2017

21. Brij Kishor Pandey, Harinarayan Tiwari, **Deepak Khare**, “Trend analysis using discrete wavelet transform (DWT) for long-term precipitation (1851–2006) over India”, *Hydrological Sciences Journal*, October 2017, DOI: 10.1080/02626667.2017.1371849, (Impact Factor-2.37)
22. S Kundu, D Khare, A Mondal “Future Projection of Rainfall by Statistical Downscaling Method in a Part of Central India” *Environment and Earth Observation*, Springer, pp.57-70, 2017, (Impact Factor-3.798)
23. T Worku, **D Khare**, SK Tripathi “Modelling Runoff- Sediment Response to Land Use/Land Cover Changes Using Integrated GIS and SWAT Model in the Beressa Watershed, Ethiopia” *Environmental Earth Sciences*, Springer (Accepted), 2017 (Impact Factor-1.765)
24. S Kundu, **D Khare**, A Mondal “Individual and combined impacts of future climate and land use changes on the water balance” *Journal of Ecological Engineering*, Elsevier pp.42-57, 2017, (Impact Factor-3.422)
25. S Kundu, **D Khare**, A Mondal “Past, present and future land use changes and their impact on water balance” *Journal of Environmental Management*, Elsevier 197, 582-596, 2017. July, 2017 (Impact Factor-4.712)
26. Ermias Sisay, Afera Halefom, **Deepak Khare**, Lakhwinder Singh Tesfa Worku “Hydrological modelling of ungauged urban watershed using SWAT model” *Modeling Earth Systems and Environment* June 2017, Volume 3, Issue 2, pp 693–702
27. Afera Halefom, Ermias Sisay, **Deepak Khare**, Lakhwinder Singh, Tesfa Worku “Hydrological modeling of urban catchment using semi-distributed model” *Modeling Earth Systems and Environment* June 2017, Volume 3, Issue 2, pp 683–692
28. Brij Kishor Pandey, **Deepak Khare** “Assessment of Reference Evapotranspiration in the Context of Climate Change for Central India (Madhya Pradesh)” *Water Science and Technology Library*, Edition: Vol. 84, Chapter: Development of Water Resources in India, Publisher: Springer, April 2017
29. Rituraj Shukla, **Deepak khare**, Priti Tiwari, P.K Mishra, Sakshi Gupta “Analysis of Long Term Temperature Trend for Madhya Pradesh, India (1901-2005)” *Current World Environment* 12(1):68-79 · April 2017
30. Sakshi Gupta, Deepak Khare “Quality of Rooftop Harvested Rainwater Stored in Polyethylene Terephthalate Container” *Water and Science and Technology Library*, Edition: Vol 84, Chapter: Development of Water Resources in India, Publisher: Springer International Publishing, pp.V, 418, April 2017
31. Arun Mondal, **Deepak Khare**, Sananda Kundu, Sandip Mukherjee, Anirban Mukhopadhyay, Surajit Mondal “Uncertainty analysis of soil erosion modelling using different resolution of open-source DEMs” *Geoscience Frontiers* 8, 25-436, 2017
32. MK Nema, **D Khare**, SK Chandniha “Application of artificial intelligence to estimate the reference evapotranspiration in sub-humid Doon valley” *Applied Water Science*, 1-8, 2017
33. A Mondal, **D Khare**, S Kundu “Identification of Crop Types with the Fuzzy Supervised Classification Using AWiFS and LISS-III Images” *Environment and Earth Observation*, 73-86, 2017

34. Lalan Kumar Jha & **D Khare** “Detection and delineation of glacial lakes and identification of potentially dangerous lakes of Dhauliganga basin in the Himalaya by remote sensing techniques” *Natural Hazards* 85 (1), 301-327 , 2017

2016

35. Santosh M. Pingale, **Deepak Khare**, Mahesh K. Jat and Jan Adamowski (2016) “Trend analysis of Climatic Variables in an Arid and Semi-Arid Region of Ajmer District, Rajasthan, India” *Journal Of Water And Land Development And Environmental Engineering In Agriculture*, 2016, No. 28 (I–III): 3–18
36. **Deepak Khare**, Lakhwinder Singh, Ayush Chandrakar, Prabhash Mishra “Urban Water Resources Management for Sustainable Development” *Convergence* 13:35-51 · November 2016
37. Tesfa W. Meshesha, Sangharsh Kumar, Tripathi, **Deepak Khare** “Analyses of land use and land cover change dynamics using GIS and remote sensing during 1984 and 2015 in the Beressa Watershed Northern Central Highland of Ethiopia” *Model. Earth Syst. Environ.* (2016) 2:168
38. Lalan Kumar Jha & **Deepak Khare**, “Lake outburst flood (GLOF) study of Dhauliganga basin in the Himalaya” *Jr. of Cogent Environmental Science* (2016), 2: 1249107 <http://dx.doi.org/10.1080/23311843.2016.1249107>, Oct, 2016
39. Tesfa Worku Meshesha, S. K. Tripathi, **Deepak Khare**, Analyses of land use and land cover change dynamics using GIS and remote sensing during 1984 and 2015 in the Beressa Watershed, *Modeling Earth Systems and Environmen*, doi:10.1007/s40808-016-0233-4, October 2016
40. Kundu, S, **Khare, D** & Mondal, A., Interrelationship of rainfall, temperature and reference evapotranspiration trends and their net response to the climate change in Central India, *Theoretical and Applied Climatology*, Springer, DOI: 10.1007/s00704-016-1924-5, Sep., 2016, pp 1-22
41. Mondal, A., **Khare, D.**, & Kundu, S, A comparative study of soil erosion modelling by MMF, USLE and RUSLE, *International, Geocarto International*, DOI:10.1080/10106049.2016.1232313, Aug, 2016
42. **Deepak Khare**, Leki DorjiL, Arun Mondal & Sananda Kundu, Impact Of Climate Change on Glaciers-A Case Study of Bhutan, *International Journal of Asian Academic Research Associates, AARJMD ASIAN ACADEMIC RESEARCH JOURNAL OF MULTIDISCIPLINARY, AARJMD VOLUME 3/1, Jan, 2016,ISSN:2319 – 2801, pp 47-63*
43. **Deepak Khare**, Leki DorjiL, Arun Mondal & Sananda Kundu, Expansion of Glacial Lakes in Bhutan during 1990- 2009, *Indian Journal of Science and Technology*, Vol 9(36), DOI: 10.17485/ijst/2016/v9i36/85047, September 2016, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645, pp 1-9
44. Arun Mondal, **Deepak Khare**, Sananda Kundu, Surajit Mondal, Sandip Mukherjee & Anirban Mukhopadhyay, Spatial soil organic carbon (SOC) prediction by regression kriging using remote sensing data, *National Authority for Remote Sensing and Space Sciences, The Egyptian Journal of Remote Sensing and Space Sciences, Elsevier*, 2016
45. Mondal, A., **Khare, D.**, & Kundu, S. 2016. Impact of climate change on future soil erosion and SOC loss in different slope, soil and landuse condition, *Natural Hazards*, Springer Publisher, DOI: 10.1007/s11069-016-2255-7. (Thomson Reuters IF 1.72)

46. Mondal, A., **Khare, D.**, & Kundu, S. 2016. **Uncertainty Analysis of Soil Erosion Modeling Using Different Resolution of Open Source DEMs**, *Geocarto International*, Taylor and Francis Publisher. DOI: 10.1080/10106049.2016.1140822. (Thomson Reuters IF 1.37)
47. Mondal, A., **Khare, D.**, Kundu, S., Mukherjee, S., Mukhopadhyay, A., Mondal, S. 2016. Uncertainty of Soil Erosion Modeling Using Open Source High Resolution and Aggregated DEMs. *Geoscience Frontiers*. Elsevier Publisher DOI: 10.1016/j.gsf.2016.03.004
48. **Khare, D.**, Mondal, A., Kundu, S., & Mishra, P. K. 2016. Climate change impact on soil erosion in the Mandakini River Basin, North India. *Applied Water Science*, Springer Publisher, 1-11.
49. **Khare, D.**, Dorji, L., Mondal, A., Kundu, S. 2016. Impact of climate change on glaciers-a case study of Bhutan. *Asian Academic Research Journal of Multidisciplinary*.
50. Brij K Pandey, A K Gosain, George Paul, **Deepak Khare** "Climate change impact assessment on hydrology of small watershed using semi- distributed model" *Applied Water Science*, Springer. February 2016
51. Sakshi Gupta, **Deepak Khare** and Nitin Mishra,"*Quality Analysis of Roof-Top Rainwater Harvested In Different Materials at High Temperature*. Int J Recent Sci Res. 7(4), pp. 10044-10046, June, 2016
52. Sakshi Gupta, **Deepak Khare** and Nitin Mishra," *Analysis of the Quality of Harvested Rainwater from the Top of Roofs in Diverse Materials at Low Temperature*. Indian Journal of Science and Technology 9(47) · DOI: 10.17485/ijst/2015/v8i1/105293, Dec, 2016
53. Behera S., **Khare D.**, Mishra P.K. and Sahoo S. (2016) "Application of Statistical Downscaling Model for Prediction of Future Rainfall in Bhudhabalanga River Basin, Odisha (India)". *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN:224 –8958, Volume-5, Issue-4, April 2016.
54. Behera S., **Khare D.**, Mishra P.K. and Sahoo S. (2016) "Impact of climate change on Crop Water Requirement for Sunei Medium Irrigation Project, Odisha, India". *Seventh Sense Research Group (SSRG) International Journal of Engineering Trends and Technology (IJETT)* Volume 34 Number 8-April 2016.
55. Sahoo S., **Khare D.**, Mishra P.K. and Behera S. (2016): "A Comparative study on Environmental Flows Assessment methods in lower reach of Mahanadi River".*Seventh Sense Research Group (SSRG) International Journal of Engineering Trends and Technology*, Vol. 32, N0-2, February 2016. DoI.10.14445/22315381/IJETT-V32P215.
56. Sahoo S., Khare D., Mishra P.K. and Behera S. (2016): "Environmental Flows allocation in two main distributaries of Mahanadi River". *International Journal of Geology, Earth and Environmental Sciences (JGEE)*, Vol. 06, Issue 1, January - April, 2016. Ref. MS No. JGEE 2016/06/01/009.
57. Sethi, R, Pandey, B K, Krishan, R., **Khare, D.**, and Nayak, P. C. (2015). "Performance evaluation and hydrological trend detection of a reservoir under climate change condition." *Model. Earth Syst. Environ.*, 1(4), 1-10, Springer.(Published)
58. Brij K Pandey, A K Gosain, George Paul, **Deepak Khare** "Climate change impact assessment on hydrology of small watershed using semi- distributed model" *Applied Water Science*, Springer. (Published)
59. Meena, P. K., **Khare, D.**, Nema, M. K. (2016) "Constructing the downscale precipitation using ANN model over the Kshipra River Basin, Madhya Pradesh" *Journal of Agrometeorology* . Vol. 18 No. 1

2015

60. Meena, P.K., **Khare, D**, Shukla, R, Mishra, P. K. (2015) Long Term Trend Analysis of Mega Cities in Northern India using Rainfall Data, Indian Journal of Science and Technology 8.3 (Feb 2015): 247-253.
61. Sananda Kundu, S.P. Agrawal, Nanette Kingma, Arun Mondal, **Deepak Khare** "Flood monitoring using microwave remote sensing in a part of Nuna River basin, odisha, india", Natural Hazard, DOI 10.1007/s11069-014-1478-8, (2015) pp-123-138
62. **Deepak Khare**, Diptendu Patra, Arun Mondal, Sananda Kundu, "Impact of landuse/land cover change on run-off in the catchment of a hydro power project", Appl Water Sci, DOI 10.1007/s13201-015-0292-0, 2015 (May, 2015)
63. **Deepak Khare**, Rajinder Singh, Nitin Mishra, Rituraj Shukla (2015), "Assessment of Surface Runoff in a Barinallah Watershed using Distributed Parameter Model (SWAT Model)" Vol 1, No 1, 2015, pp.31-38

2014

64. Mondal, A., **Khare, D.**, Kundu, S., Meena, P. K., Mishra, P. K., & Sukla, R., Impact of climate change on future soil erosion in different slope, landuse and soil type conditions in a part of Narmada river basin. *Journal of Hydrologic Engineering (ASCE)*, Aug. 2014, C5014003-1-12.
65. Mondal, A., **Khare, D.**, Kundu, S., "Spatial and temporal analysis of rainfall and temperature trend of India" Theoretical Applied Climatology, DOI 10.1007/s00704-014-1283-z, Springer, October, 2014.
66. **Deepak Khare**, Diptendu Patra, Arun Mondal, Sananda Kundu, "Impact of landuse/land cover change on run-off in the catchment of Narmada River in India", Appl Geomatics, DOI 10.1007/s12518-014-0148-6, Springer, December, 2014
67. **D Khare**, A Mondal, PK Mishra, S Kundu, PK Meena (2014) Morphometric analysis for prioritization using remote sensing and GIS Techniques in a hilly catchment in the State of Uttarakhand, India . Indian Journal of Science and Technology 7 (10), 1650-1662
68. Kundu, S., Mondal, A., **Khare, D.**, Mishra, P. K., & Shukla, R. "Shifting shoreline of Sagar Island Delta, India". Journal of Maps, Taylor and Francis 10(4), 2014, pp. 612-619..
69. Mishra Nitin, **Deepak Khare**, Rituraj Shukla and Kalyani Kumar, "*Trend Analysis of Air Temperature Time Series by Mann Kendall Test-A Case Study of Upper Ganga Canal Command (1901-2002)*", published in British Journal of Applied Science & Technology , SCIENCEDOMAIN International; Volume 4 (28), , 2014, PP.4066-4082
70. **Deepak Khare**, Rajinder Singh, Mishra Nitin, Rituraj Shukla "Hydrological Modelling Of Barinallah Watershed Using ARC-SWAT Model", International Journal of Geology, Earth & Environmental Sciences 2014 Vol. 4 (1) January-April, pp. 224-235

2013

71. Rituraj Shukla, **Deepak Khare** "Historical trend investigation of temperature variation in indirasagar canal command area in madhyapradesh (1901–2005)" International Journals of Advanced Information Science and Technology (IJAIST), ISSN: 2319:268, Vol.15, No.15, July 2013, pp 58-67

72. Rituraj Shukla, **Deepak Khare** "Land use/land cover change detection of Indira Sagar canal command area using integrated remote sensing and GIS tools". International Journal of Space and science, Vol 2, Issue 1, ISSN:2321-6506, Publisher STM., 2013 pp 1-10
73. Kundu, S., **Khare, D.**, and Mondal, A. "Distribution of reference Evapotranspiration in Madhya Pradesh, India". *International Journal of Geology, Earth & Environmental Sciences- ISSN:2277-2081 (online)*, 2013, pp:1-9
74. Santosh M. Pingale, **Deepak Khare**, Mahesh K. Jat and Jan Adamowski "Spatial and temporal trends of mean and extreme rainfall and temperature for the 33 urban centres of the arid and semi-arid state of Rajasthan" Atmospheric Research, Elsevier., 2014, 138: 78-90. <http://dx.doi.org/10.1016/j.atmosres.2013.10.024>, Impact factor = 2.20.
75. Santosh M. Pingale, Mahesh K. Jat and **Deepak Khare** "Integrated urban water management modelling under climate change scenarios" Journal of Resources, Conservation & Recycling, Elsevier. 2013, 83: 176-189. <http://dx.doi.org/10.1016/j.resconrec.2013.10.006>, Impact factor = 2.319.
76. Mishra Nitin, **Deepak Khare**, Rituraj Shukla and Lakhwinder Singh, "A Study of Temperature Variation in Upper Ganga Canal Command", published in International Journal of Advances in Water Resource and Protection (AWRP) Volume 1 Issue 3, , Pub. Date: July, 2013, PP.45-51
77. Mondal, A., **Khare, D.**, & Kundu, S. (2013). Comparison of MLC and FCM Techniques with Satellite Imagery in A Part of Narmada River Basin of Madhya Pradesh, India. *International Journal of Advanced Remote Sensing and GIS*,2(1), pp. 130-137.
78. Sananda Kundu, **Deepak Khare**, Arun Mondal. Distribution of reference Evapotranspiration in Madhya Pradesh, India. *International Journal of Geology, Earth & Environmental Sciences- ISSN:2277-2081 (online)*, 2013, pp:1-9
79. Mishra Nitin, **Deepak Khare**, Rituraj Shukla and Lakhwinder Singh. "Impact of Land Use Change on Groundwater in Upper Ganga Canal Command", published in Research and Reviews: Journal of Engineering and Technology Volume 2, Issue 3 (Supplement), July – September, 2013, PP. 95-100
80. Mishra Nitin, Deepak Khare, K.K.Gupta and Rituraj Shukla, "Trend Analysis of Annual Rainfall in Upper Ganga Canal Command for Twentieth Century (1901–2010)", published in Asian Academic Research Journal of Multidisciplinary (AARJM) Volume 1 Issue 4, , Pub. Date: Oct, 2013, PP.213-226
81. Mishra Nitin, **Deepak Khare**, Rituraj Shukla and Lakhwinder Singh, "Change Detection of Land Use/Land Cover in Upper Ganga Canal Command, India, using Arc-GisTools", Journal of Remote Sensing and GIS, STM Journal, 2013, pp 26-32.
82. Brar, T.S., Jain, R.K. and **Khare, D.**, 'Water Resource Management Plan For An Urban Area – Patiala', International Journal of Earth Sciences and Engineering ISSN 0974-5904, Volume 04, No 06 SPL, October 2011, pp. 997-1003
83. Mahesh K. Jat, **Deepak Khare** and P. K. Garg, "Urbanisation and its impact on groundwater: A remote sensing and GIS based assessment approach", Journal of The Environmentalist, Springer US, Vol 29 No.1 March **2009**, pp 17-32
84. R. Biswas, **Deepak Khare** and R. Shankar, "Water demand management for an urban area: the case study of Dwarka, a sub-city of Delhi", Water Utility Management International, Vol. 04, No.2, **2009**, pp 10-17

85. Gaikwad P.G., **Deepak Khare** and G.C. Mishra, "Leaching studies and metal analysis of fly ash from Thermal Power Plant of India" Journal of Solid Waste Technology and Management, USA, Vol 35, No.2, May **2009** pp 115-123
86. SantoshPingale, **Deepak Khare**, H. C. Sharma & Mahesh K Jat, "Design of Water Harvesting Structure based on Supply and Demand of Water in a Hilly Watershed". Journal of Environmental Research and Development, An International Research Journal of Natural Sciences, Technology and Social Sciences for Environment, Vol 03, No.03, Jan-March, **2009**, pp 645-653
87. Gaikwad, P G., **Khare Deepak**, "FE SEM EDAX Studies on fly ash particles". Journal of Environmental Research and Development, An International Research Journal of Natural Sciences, Technology and Social Sciences for Environment, Vol 04, No.01, July-Sept, **2009**, pp 55-61
88. Mahesh Kumar Jat, **Deepak Khare**, P. K. Garg, " Remote sensing and GIS based assessment of urbanization and degradation of watershed health : A case study", International Journal of Urban Water, Taylor & Francis, Volume 6, Issue 3 June **2009** , pp251 - 263
89. Mahesh Kumar Jat, P. K. Garg, **Deepak Khare**, "Modelling of Urban Growth Using Spatial Analysis Techniques: A Case Study of Ajmer City (India), International Journal of Remote Sensing, Taylor & Francis, Vol 29 No.2, **2008**, pp 543-567
90. Mahesh Kumar Jat, P. K. Garg, **Deepak Khare**, "Monitoring and Modelling of Urban sprawl Using Remote Sensing and GIS Techniques", International Journal of Applied Earth Observation and Geoinformation, Elsevier Science Publications, Vol 10, Issue 1, February **2008**, pp 26-43
91. K. Sonamani Singh, Bhishm Kumar, **Deepak Khare**, Sanjay K. Jain, "Estimation of Erosion Rate In a Small Catchment of Loktak Wetland, India, Using Lead-210 (^{210}Pb) Technique, International Journal of Water (IJW), Vol. 3 No. 3, 2007 pp 257-265
92. Mahesh Kumar Jat, P. K. Garg, **Deepak Khare**, "*Classification of Spectrally Mixing Land Use Classes: A Case Study of an Urban Fringe*", International Journal of Applied Remote Sensing **2007** Vol 01, No.01, pp 29-43
93. **Khare Deepak**, P.K.Garg, Carandang R. H. and ShailzaVerma, "Planning of Rooftop Rainwater Harvesting Using GIS - A Case Study for Mussoorie, India", Asian Journal of Geoinformatics Vol.7 No.1 Jan **2007** pp47-52
94. **Khare, Deepak** , M. K. Jat, Deva Sunder "Assessment of Water Resources Allocation Options: Conjunctive Use Planning in a LinkCanal Command", Resources, Conservation and Recycling, Vol. 51, Issues 2, August. **2007**, pp 487-506
95. Dhore K. A., **Khare Deepak**, Garg P. K., Jat M. K., "Conceptual Framework of Decision Support System for Watershed Management in India.", An International Web-Based Professional Journal of Geo-Sciences, Earth & Life (<http://www.geofinds.com>), Vol. 1, No. 4, (2006-12-4) pp 1-17
96. **Khare, Deepak** , M. K. Jat, Ediwayunan, 'Assessment of conjunctive use planning options:A case study of Sapon irrigation command area in Indonesia, Journal of Hydrology, Elsevier Science Publications, Vol. 328, Issues 3-4, Sep. **2006**, pp 764-777

Research Papers in National Journals: (22)

1. Pramod Kumar Meena, Deepak Khare, **Rituraj Shukla** and P. K. Mishra (2015) “Long Term Trend Analysis of Mega Cities in Northern India using Rainfall Data”, Indian Journal of Science and Technology, Vol 8(3), 247–253, February 2015
2. **Khare, D.**, Mondal, A., Mishra, P. K., Kundu, S and Meena, P. K. 2014. Morphometric analysis for prioritization using Remote Sensing and GIS techniques in a hilly catchment in the state of Uttarakhand, India. *Indian Journal of Science and Technology*, 7(10), pp. 1650-1662.
3. Gaikwad P.G., **Deepak Khare** and G.C. Mishra, “Fly ash disposal in India:Issues and Challenges”, Environmental Pollution Control Journal, Vol 11, No.6, Sep-Oct **2008**, pp 69-72
4. R. Biswas, **Deepak Khare** and R. Shankar, “Alternative approaches to urban water management”, Journal of SAPCE (The SPA Journal of Planning & Architecture), Vol. 13, No.2, **2008**, pp 65-97
5. Mahesh K. Jat, **Deepak Khare** and P. K. Garg, “Cost Models/Functions for Water Treatment”, Journal of IWWA, Vol XXXX, No.1, Jan-March **2008**, pp 51-56
6. R. Biswas, **Deepak Khare** and R. Shankar , “Water Management in Delhi: Issues, Challenges and Options', Journal of IWWA, Vol XXXIX, No.2, April-June **2007**, pp 89-96
7. **Khare Deepak**, Garg, P.K., Jat M.K and Dhore K. A, ‘Selection of Optimum Canal Alignment Using GIS: River Interlinking Perspective”, Indian Journal of Power and River Valley Development, Vol. 56 Nos.5 &6, March-April **2007**, pp 112-121.
8. R. Biswas, Tejwant S. Brar, **Deepak Khare** & R. Shankar, “Water Supply in New Regional Growth Centre: Case Study”, Journal of Indian Building Congress, Vol. 14, No.1, **2007**, pp 180-186
9. Richard Munyao Kanui, **Deepak Khare**, K. Sonamani Singh, S.K. Mishra “A Comparative Evaluation of Three Popular Irrigation Systems for Tomato Cropping in a Semi-Arid Region of Kenya”, Jr. of Hydrology, Vol 30, 3-4, July-Dec. **2007** pp 117-128
10. K. Sonamani Singh, **Deepak Khare** and S.K. Jain, “Rainwater Harvesting in the northeastern state of Manipur: Status, Problems and Options” Indian J Soil Conservation Vol. 35, No.1, March **2007**, 86-88
11. **Deepak Khare**, R. Biswas and R. Shankar , “Waste Water Management in Green Buildings', Journal of Indian Building Congress, Vol. 13, No.3, **2006** pp 99-108
12. R.K. Jain, Tejwant Singh Brar and **Deepak Khare**, “Integrating Solar and Green Architecture For A Residential Building in hot arid climate”, Journal of Indian Building Congress, Vol. 13, No.3, **2006**, pp 43-48
13. Jat M.K., **Khare Deepak.**, and Garg, P.K., ‘Assessment of Ground water recharge using water level fluctuation methodology in GIS environment’, Indian Journal of Power and River Valley Development, Vol. 56 Nos.5 &6, May-June **2006**, pp 165-172.
14. Brar, T.S., Jain, R.K. and **Khare Deepak.**, ‘Decentralized Wastewater Treatment System: Technological and Economic viability for small and medium towns’, Journal of Indian Association of Environmental Management, Oct. **2005** Vol 32 No.3 pp 171 – 180.

15. Jat M.K., **Khare Deepak**, and Garg, P.K., 'Integrated Water Management In Urban Areas: Ecological And Economic Advantages', Journal of Indian Building Congress (Special Issue on Water Management in Urban Centers), Vol. 12 No. 1, July **2005**, pp 186-193.
16. Brar, T.S., Jain, R.K. and **Khare, Deepak**, 'Strategies for Water Resource management in Urban Areas: Case Study Patiala', Journal of Indian Building Congress (Special Issue on Water Management in Urban Centers), Vol. 12 No. 1, July **2005**, pp 215-226
17. Verma, Shailza, **Khare Deepak** and Jain S.K., 'Perspective of Integrated Urban Water Management Using Decision Support System', Indian Building Congress: IBC-Bulletin, Vol. 08 Issue 02, April-June **2005**, pp 32-41
18. **Deepak Khare**, Ramakant, C.S.P. Ojha, T.A. Sihorwala, and Hridayesh Verma, "Performance evaluation of sand filter for rainwater harvesting", Journal of Indian Water Works Association, Vol XXXVI No. 4, Oct-Dec. **2004**, pp 305-306
19. Deepak Khare, 'Urban Rainwater Harvesting', The Indian Journal of Technical Education, ISSN 0971-3034, **2012**, pp. 373-371
20. **Deepak Khare**, Ramakant, C.S.P. Ojha, Vasudeo Khairwar and R.K. Srivastava, "Impact assessment of rainwater harvesting on groundwater quality at Indore and Dewas, India", Journal of Indian Water Works Association Vol XXXVI No. 2, April-June, **2004** pp 123-130
21. Chawla, A.S. and **Khare Deepak**, "Conjunctive use of Surface and Ground Water ", Journal of Irrigation and Power, CBIP, Vol. 40, No. 3, July, **1992**, pp. 113-124.
22. **Khare Deepak** and Shrivastava, R.K., "Geological Assessment: Some experiences with Water Resources Structures of M.P." Journal of Indian Water Resources Society (IWRS), Vol. 12, No. 3 & 4, July & Oct., **1992**.

International Seminars/Conferences (66)

1. D Khare, Jagrati Jain, M.K. Singha "Sensitivity analysis of Runoff using SWAT: A case study of large mountainous watershed of North India" 2019 SWAT Conference (July 15-19) Vienna, Austria at University of Natural Resources and Life Sciences
2. D Khare, Ayush Chandrakar, "Hydrological Simulation of a Small Tropical Watershed In Central India Using SWAT" 2019 SWAT Conference (July 15-19) Vienna, Austria at University of Natural Resources and Life Sciences
3. Krishan, Radha, et al. "Analysis of Dependability of Annual and Monsoonal Rainfall in Eastern Ganga Canal Command, India." World Environmental and Water Resources Congress 2019: Groundwater, Sustainability, Hydro-Climate/Climate Change, and Environmental Engineering. Reston, VA: American Society of Civil Engineers, 2019.
4. R Tripathi, Santosh Pingale & Deepak Khare (2018), Assessment of LULC Change and urban water demand for sustainable water management: A case study of Dehradun, : International Conference on Smart Cities Model (ICSCM 2019), IIT Madras, Chennai, 20 to 21 January 2019.
5. Lakhwinder Singh, **Deepak Khare**, Estimation of Urban area Surface Temperature with Landsat 8 Thermal band using GIS. A Case Study of Jaipur city, ICGCE-2018, International conference on Geomatics in civil Engineering, 5-6 April 2018, IIT Roorkee.,

6. Lakhwinder Singh, **Deepak Khare** , Estimation of Surface runoff with SCS curve number method using GIS. A Case Study of Vadodara city, International Conference on Sustainable Technologies for Intelligent Water Management, IIT Roorkee, India. Organised By: Department of Water Resources Development and Management February 16-19, 2018
7. Andra Sai Kumar, Abhishek Chintawar Anil, Lakhwinder Singh and **Deepak Khare** Impact of Land use change on Water Resources in upcoming Smart city – A Case Study of Amaravati International Conference on Sustainable Technologies for Intelligent Water Management, IIT Roorkee, India. Organised By: Department of Water Resources Development and Management February 16-19, 2018
8. Abhishek Chintawar, Andra Sai Kumar, **Deepak Khare** and Lakhwinder Singh, Evaluating and predicting land-cover and land-use change dynamics in Navi Mumbai Smart City, India International Conference on Sustainable Technologies for Intelligent Water Management, IIT Roorkee, India. Organised By: Department of Water Resources Development and Management February 16-19, 2018
9. Thirumalesha Dv, Prabhas Kumar Mishra, Lakhwinder Singh and **Deepak Khare**, Trend analysis of Rainfall and Temperature in Hemavathy River Basin International Conference on Sustainable Technologies for Intelligent Water Management, IIT Roorkee, India. Organised By: Department of Water Resources Development and Management February 16-19, 2018
10. Shivananda D M, Prabhash Kumar Mishra, Lakhwinder Singh and **Deepak Khare** Spatial and Temporal Assessment of Irrigation water in Command area, International Conference on Sustainable Technologies for Intelligent Water Management, IIT Roorkee, India. Organised By: Department of Water Resources Development and Management February 16-19, 2018
11. Anshul Jain, **Deepak Khare**, Manish Nema and Lakhwinder Singh, Assessment of Trends for Hydro-Meteorological Variables for Banda District of Bundelkhand Region, India, International Conference on Sustainable Technologies for Intelligent Water Management, IIT Roorkee, India. Organised By: Department of Water Resources Development and Management February 16-19, 2018
12. Thirumalesha DV, **Deepak Khare**, Prabhash Mishra and Lakhwinder Singh, Trend Analysis of Rainfall and Temperature In Hemavathy River Basin, International Conference on Sustainable Technologies for Intelligent Water Management, IIT Roorkee, India. Organised By: Department of Water Resources Development and Management February 16-19, 2018
13. Lakhwinder Singh, **Deepak Khare**, Ayush Chandrakar, Radha Krishan, Tesfa W. Meshesha Impact of Urban landuse change on Discharge – A Case Study of Vadodara, India, 5TH SWAT (SOIL & WATER ASSESSMENT TOOLS) CONFERENCE & WORKSHOP in SOUTH EAST & EAST ASIA (SWAT SEEA V), Kula Lumpur , Malaysia from 23rd – 26th October 2017
14. **Deepak Khare**, Lakhwinder Singh, Impact of Landuse Change on Urban Runoff: A Case Study of Jaipur City, India, 37th IAHR World Congress Kuala Lumpur, Malaysia, August 13 – 18, 2017
15. K.Radha, Ayush Chandrakar, Bhaskar R. Nikam, **Deepak Khare** “Analysis of Rainfall Trend before and after Implementation of Eastern Ganga Canal Command” World Environmental and Water Resources Congress 2017, Volume: International Perspectives, History and Heritage, Emerging Technologies, and Student Papers, May 2017

16. Radha Krishan, Ayush Chandrakar, Bhaskar R. Nikam, **Deepak Khare** “analysis of trends in rainfall over a century in eastern ganga canal command” Conference: International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro2016), At CWPRS Pune, India
17. Pramod Kumar Meena, **Deepak Khare**, M. K. Nema (2015) “ Development Of Neural Model For Precipitation Considering Climate Change Under Rapid Economic Growth,” . Global warming & Climate Change (73), Symposium on Hydrology, 22-23 Dec 2015 New Delhi, India
18. Pramod Kumar Meena, **Deepak Khare**, M. K. Nema (2015) Artificial Neural Network Modelling for Suspended sediment yield estimation over Kshipra river Catchment, Madhya Pradesh . Water management for sustainable development (184), Indian water Week 13-17 January 2015
19. Meena, P. K., Hardaha, M. K., **Khare, D.**, & Mondal, A. (2014). Neural Method for Site-Specific Yield Prediction. In Proceedings of the Third International Conference on Soft Computing for Problem Solving (pp. 237-246). Springer India.
20. A Mondal, **D Khare**, S Kundu, PK Mishra, **PK Meena** (2014) Landuse change prediction and its impact on surface run-off using fuzzy C-mean, Markov Chain and curve number methods Proceedings of the Third International Conference on Soft Computing for Problem Solving (pp. 365-376). Springer India.
21. Meena P K , **Khare D.** (2013) “ Trend Analysis of using Rainfall Data “ International conference on Regional Development, sustainability and Socio- Economic Development in Jammu & Kashmir (5th - 6th June 2013 Srinagar) India
22. **Deepak Khare** and Rituraj Shukla. “Impact assessment of landuse and landcover on groundwater storage: a case study in a canal command area of India” paper presented in “The 2nd IWA Malaysia Young Water Professionals Conference 2015 (YWP15)” 17-20 March, 2015.
23. Mishra Nitin, **Deepak Khare** and Rituraj Shukla. “*Rainfall Trend Detection in Upper Ganga Canal Command for Twentieth Century (1901–2010)*” Paper presented in International Conference on Water Desalination, Treatment and Management (InDACon 2013) at MNIT Jaipur (Raj.) (21-22 Feb. 2013).
24. Mishra Nitin, **Deepak Khare**, Rituraj Shukla and Lakhwinder Singh. “*Impact of Land Use Change on Groundwater in Upper Ganga Canal Command*” Paper presented in International Conference on Water, Wastewater and Isotope Hydrology (ICE-WWISH-2013) to be held at JananaJyothi Auditorium, Central College Campus, Bangalore University, Bangalore, Karnataka, India, during July 25th – 27th 2013
25. Arun Mondal, **Deepak Khare**, Sananda Kundu, Prabhash Kumar Mishra, Rituraj Shukla. Temperature trend Analysis for entire India (1901-2007). *8th International Congress on Climate Change, Terrotorial Classification & Socio-Economic Crisis*, Tiruchirappalli, Tamil Nadu, April 23–25, 2013 India. Bharthidasan University, Tiruchirappalli and National Polytechnic Institute, Mexico.
26. Rituraj Shukla, **Deepak Khare**, Prabhash Kumar Mishra, Arun Mondal, Sananda Kundu. Monotonic trend analysis of temperature series over Indira Sagar region in Madhya Pradesh, India. *8th International Congress on Climate Change, Terrotorial Classification & Socio-Economic Crisis*, Tiruchirappalli, Tamil Nadu, April 23–25, 2013 India. Bharthidasan University, Tiruchirappalli and National Polytechnic Institute, Mexico.

27. Arun Mondal, **Deepak Khare**, Sananda Kundu, Prabhash Kumar Mishra. Assessment of Seasonal Variation of Land Surface Temperature (LST) in an Urban area. *International Conference on Interdisciplinary application of Remote Sensing and Geographic Information System, Mumbai*, dated on 26th-27th, 2013 April. Department of Geology and Centre of Remote Sensing and GIS, K.J. Somaiya College of Science and Commerce.
28. Pramod Meena, **Deepak Khare**, Prabhash Kumar Mishra, Rituraj Shukla, Sananda Kundu, Arun Mondal. 2013. **Long Term Trend Analysis of Mega Cities in Northern part of India using rainfall data**. *International Conference on Regional Development: Sustainability, Socio-economic Development in Jammu & Kashmir. Dated on 5th –6th June, 2013* in Dept. of Geography and Regional Development, University of Kashmir, Srinagar, India.
29. Sananda Kundu, **Deepak Khare**, Arun Mondal, Prabhash Kumar Mishra, Rituraj Shukla, Pramod Meena. 2013. **Estimation of Evapotranspiration by Penman Monteith Method in Madhya Pradesh**. *International Conference on Regional Development: Sustainability, Socio-economic Development in Jammu & Kashmir. Dated on 5th –6th June, 2013* in Dept. of Geography and Regional Development, University of Kashmir, Srinagar, India.
30. Rituraj Shukla, **Deepak Khare**, Prabhash Kumar Mishra, Rituraj Shukla, Sananda Kundu, Arun Mondal, Pramod Meena. 2013. **Long term Monotonic Trend Analysis of Temperature series over Madhya Pradesh in India for 20th Century (1901-2005)**. *International Conference on Regional Development: Sustainability, Socio-economic Development in Jammu & Kashmir. Dated on 5th –6th June, 2013* in Dept. of Geography and Regional Development, University of Kashmir, Srinagar, India.
31. **Deepak Khare**, Ari Setyorini Santosh M. Pingale “Trend Analysis of climatic variables in Upper Brantas River Basin, Indonesia”, International Symposium on “Cryosphere and Climate Change 2012 “, 02-04 April, 2012, Manali Himachal Pradesh, India
32. **Deepak Khare**, P K Nayak P K Mishra, “Urban based Planning and Designing of Rooftop Rainwater Harvesting considering Climate Change: A Case study of Bhubaneswar, India”, International Symposium on “Cryosphere and Climate Change 2012 “, 02-04 April, 2012, Manali Himachal Pradesh, India
33. **Deepak Khare**, Prakash P Katarki Santosh M Pingale, “A DSS Framework for the Assessment of Water Resources under Climate Change Scenario”, International Symposium on “Cryosphere and Climate Change 2012 “, 02-04 April, 2012, Manali Himachal Pradesh, India
34. **Deepak Khare**, Ari Setyorini and Santosh M Pingale. “Sensitivity Analysis of Climatic Parameters on Water Resources in Upper Brantas River”, Basin, Indonesia”, EcoForum Conference and Exhibition, Sydney, Australia 7-9 March, 2012
35. Brar, T.S., Singh, Varun, Jain, R.K. and **Khare, D.**, ‘Water Resource Management Plan For An Urban Area – Patiala’, Scientific Session on Hydrological Sciences, Session no. HS14 - Groundwater in Urban Areas - Opportunities and Challenges, 8th Annual General meeting and Geosciences World Community Exhibition, AOGS 2011, Organised by Asia Oceania Geosciences Society at Taipei International Convention center, Taiwan, August 8 – 12, 2011. Abstract no. : HS14 – A012
36. Santosh M Pingale, Mahesh K Jat and **Deepak Khare** “Assessment of Climate Change for an Arid Region”, National Conference on “Sustainable Water Resources Management and Impact of Climate Change”, BITS-Pilani, Hyderabad Campus, March 5-6, 2010, pp44-60

37. Ari Setyorini, **Deepak Khare** and Santosh M. Pingale. "Trend Analysis for Assessment of Climate Change in A Province of Indonesia", International Conference on Global Climate Change, 19-21 February, **2010**
38. K. A Dhore, **Deepak Khare** U.C. Chaube, P. K. Garg, "Development of Interface of Daily Runoff Assessment from a Watershed", International Conference "Water, Environment, Energy and Society (WEES-2009), 12-16 January, 2009 pp304-307
39. B.R. Nikam, P.Kumar, Deepak Khare and U.C. Chaube, "Reliability in the Estimation of ETO Using Minimum Climatological Data", International Conference "Water, Environment, Energy and Society (WEES-2009), 12-16 January, 2009, pp1780-1786
40. Biswas R, **Deepak Khare**, Shankar R, 2008, 'Residential Water Management for Urban Area', in Sinha P. and Rana S. (ed) ,2008, 'Global Climate Change and Water Resources, Current Practices and Planning for Future,' the proceedings of 2nd World Aqua Congress, Volume I, 26-28 November, 2008, p102-114.
41. Biswas R, Shankar Rand **Deepak Khare**, "Unsustainable Alternative Water Provisions in Delhi", Presented in the Global Summit on Sustainable Development and Biodiversity (GLOSS-08) held on Raipur, during 7th to 9th Feb, 09 organized by VRM Foundation, Raipur.
42. K. A Dhore, U.C. Chaube, P. K. Garg, **Deepak Khare**. "Development of User Interface for Groundwater Recharge Estimation by CGWB Approach", International Conference "Water, Environment, Energy and Society Indo-Australian Conference on IT Applications in Civil Engineering to be held at IIT Roorkee from Feb. 20-21, 2006.
43. **Deepak Khare**, P. K. Garg, Mahesh K. Jat "Impact Of Urbanization On Watershed Hydrology and Hydro-Geology", ASABE International Conference on Watershed Management to Meet Water Quality Standards and TMDLs **March 10-13, 2007** in San Antonio, Texas, USA pp 18-26.
44. **Deepak Khare**, K. Sonamani Singh , Kishor A. Dhore, Tarun Bhatnagar, "Watershed Prioritization Considering Soil Erosion Status: A Case Study of India" ASABE International Conference on Watershed Management to Meet Water Quality Standards and TMDLs **March 10-13, 2007** in San Antonio, Texas, USA pp 533-540.
45. **Deepak Khare**, Ajay K. Jha, Mahesh K. Jat and Kishor Dhore "Runoff Estimation in an Ungauged Watershed Using Geographic Information System", International Conference on Hydrology and Watershed Management, Centre for Water Resources, Institute of Science & Technology, JNTU, Hyderabad, India 5-8 December, **2006**, BSP Publication Vol-I, pp 271-276
46. Mahesh K. Jat, **Deepak Khare** and P.K. Garg "Urbanization and Geomorphological Changes: A study of Urbanized Watershed using Spatial Technology", International Conference on Hydrology and Watershed Management, Centre for Water Resources, Institute of Science & Technology, JNTU, Hyderabad, India 5-8 December, **2006**, BSP Publication Vol-II, pp 1525-1537
47. C.S.P. Ojha, **Khare Deepak**, Ramakant, "Critics On Performance Of Slow Sand Filter Using Probability Distribution" International Conference on Civil Engineering, I.R. **Iran** Tehran 8-10 May, 2006
48. **Deepak Khare**, Ramakant and C.S.P. Ojha. "Technical Evaluation Of Rainwater Harvesting Filtration Systems In India" International Biological Filtration Conference 2006, Germany at IWW Water Centre in Mulheim an der Ruhr **Germany** 3-5 May, 2006
49. K. A Dhore, U.C. Chaube, P. K. Garg, **Deepak Khare**. "Development of User Interface for Groundwater Recharge Estimation by CGWB Approach", Indo-Australian Conference on IT Applications in Civil Engineering to be held at IIT Roorkee from Feb. 20-21, 2006.

50. Bhaskar R. Nikam, **Deepak Khare**, S.K. Ghosh. "Development of An Expert System For Selection of Suitable Irrigation Method", Indo-Australian Conference on IT Applications in Civil Engineering to be held at IIT Roorkee from Feb. 20-21, 2006.
51. Shailza Verma, **Deepak Khare** and S.K. Jain. "Decision Support System for Integrated Water Management for a Rapidly Growing City" Indo-Australian Conference on IT Applications in Civil Engineering to be held at IIT Roorkee from Feb. 20-21, 2006.
52. Gaikwad P.G., S. S. Hare & **Deepak Khare** "Artificial recharge methods of groundwater", IGC 2006: International groundwater conference, at School of Environmental, Jawaharlal Nehru University New Delhi, India 01-04 February **2006**
53. J.K. Devasunder, M. K. Jat, **Deepak Khare**, "Assessment of Conjunctive use Options in a Proposed Link Canal Command", Recent Advances in Water Resources Development & Management (Allied Pub.): Vol-I, International Symposium at IIT Roorkee, 23-25 November **2005**, pp170-187
54. Qahramon Jumaboev, Bhaskar R. Nikam, **Deepak Khare**, Raj Pal Singh, "Water Resources Management on Irrigated Agriculture: Impact Assessment of Present Practices in Uzbekistan", Recent Advances in Water Resources Development & Management (Allied Pub.): Vol-I, International Symposium at IIT Roorkee, 23-25 November 2005, pp219-234
55. K. Sonamani Singh, **Deepak Khare**, S.K. Jain, Bhishm Kumar, "Hydrological Investigations Revealing the Present Status of Loktak Lake", Recent Advances in Water Resources Development & Management (Allied Pub.): Vol-I, International Symposium at IIT Roorkee, 23-25 November 2005, pp593-602
56. A.U. Tulaganov, **Deepak Khare**, Bhaskar R. Nikam, Raj Pal Singh, "Soil and Water Conservation through Improved Irrigation Technique in Dry Land Agriculture of Uzbekistan", Recent Advances in Water Resources Development & Management (Allied Pub.): Vol-II, International Symposium at IIT Roorkee, 23-25 November 2005, pp 705-717
57. Tejwant Singh Brar, R.K. Jain, **Deepak Khare**, "Role of Non-Conventional Technologies for Sustainable Urban Water Resource Management Case Study Patiala" Recent Advances in Water Resources Development & Management (Allied Pub.): Vol-II, International Symposium at IIT Roorkee, 23-25 November 2005, pp 965-979
58. Shailza Verma, **Deepak Khare** and S.K. Jain, "Application of Decision Support System for Integrated Urban Water", Proceeding of International Conference on Environmental Management, Jawaharlal Nehru Technical University, Hyderabad, 20-30 October, 2005
59. Brar, T.S., Jain, R.K. and **Khare, D.**, 'Innovative Policy Interventions to Increase Domestic Rainwater Harvesting in Urban Areas', XII International Rainwater Catchment systems Conference 2005, New Delhi, India, November 15-18, 2005.
60. Brar, T.S., Jain, R.K. and **Khare, D.**, 'Plan For Sustainable Urban Water resource Management: Case Study Patiala', IWA Watershed & River Basin Management Specialist Group Conference, Calgary, Alberta, Canada, September 13-15, 2005
61. Sonamani K. S., Romeji N. S., and **Khare Deepak**, "Viable Means Of Wetland Restoration With Special Reference To Loktak Lake Of Manipur" International Conference on Crisis Management in Water and Environment. Indian Association of Hydrologists, West Bengal Regional Centre, Kolkata, July 15-16, 2005
62. Ramakant, **Khare Deepak**, C.S.P. Ojha, "Improvement in Quality of Rainwater for Drinking Purposes". International Conference on Crisis Management in Water and Environment. Indian Association of Hydrologists, West Bengal Regional Centre, Kolkata, July 15-16, 2005
63. Brar, T.S., Jain, R.K. and **Khare, D.**, 'Use Of Non-Conventional Technologies For Sustainable Urban Water Resource Management: Case Study Patiala', First International Conference On Environmentally Sustainable Development – ESDev – 2005, COMSATS

- Institute Of Information and Technology, Abbotabad, Pakistan, 2005, Pages 1149 – 1158.
64. Singh, K.S. and **Khare, Deepak**. Evaluation of existing conservation structures in a hilly watershed: A case study in Manipur. *International Conference on Hydrological Perspectives for Sustainable Development*, Department of Hydrology, Indian Institute of Technology Roorkee, Roorkee, India. February 23-25, **2005**.
 65. K. A. Dhore, **D. Khare**, U. C. Chaube and P. K. Garg, “Spatial Decision Support System Architecture Evolution and Applications for Watershed Planning and Management”, “. Map India-2005: International Conference and Exhibition in the field of GIS and Remote Sensing, New Delhi 7-9 February, **2005**
 66. SirishaUppaluri, S.K.Ghosh, and **Deepak Khare** “GIS and remote Sensing Methods and Solutions for waterlogged area: A Review”. Map India-2005: International Conference and Exhibition in the field of GIS and Remote Sensing, New Delhi 7-9 February, **2005**
 67. Brar, T.S., Jain, R.K. and Khare, D., ‘Decentralized Wastewater treatment System For Sustainable Urban Planning’, 7th International Conference On Humane Habitat, Rizvi College Of Architecture, Mumbai, 2005
 68. K.A.Dhore, K.K.Nathan, **Deepak Khare**, U.C. Chaube. “Weekly Rainfall Prediction using Standard Package SMADA” in Proceeding of the International conference on Water and Environment (WE-2003) December, 15-18, 2003 at Bhopal, Watershed Hydrology, Edited by V.P.Singh and R.N.Yadav, Allied Publishers Pvt. Ltd. New Delhi, 32-39.
 69. **Khare Deepak** and Shrivastava, R.K., "Feasibility of Exploitation & Optimum use of Ground Water in Madhya Pradesh (India)" Paper Published in the Proceedings of National Symposium on Future Availability of Ground Water Resources, held at Raleigh, North Carolina, USA, 12-15 April, 1992.

National Seminars/Conferences (46)

1. Taha Aawar, **Deepak Khare**, Lakhwinder Singh (2018), Water Resource Planning And Management In Afghanistan: Issues And Challenges, 51st Annual Convention to be held in Indore hosted by IWWA Bhopal during 18-20 January, 2019
2. Rahul Dwivedi, **Deepak Khare**, T.R. Chelliah & Abhinav (2018), Assessment Of Heavy Metals In Water Of Ganga's Riverine Cities, 51st Annual Convention to be held in Indore hosted by IWWA Bhopal during 18-20 January, 2019
3. Sakshi Gupta, **Deepak Khare**, “Quality Of Roof-Top Harvested Rainwater Stored In Polyethylene Terephthalate Container”, National conference on Water Resources and Hydropower on 17-18 June 2016, Dehradun- (Uttarakhand), 2016
4. Rajasingh Rassiah, Thanga Raj Chelliah, Deepak Khare, U. S. Ramesh “Energy Saving Strategy on Electric Propulsion System Integrated with Doubly Fed Asynchronous Motors” 2016 IEEE 7th Power India International Conference (PIICON), At Bikaner (Rajasthan), India
5. Brij K Pandey, A K Gosain, George Paul, **Deepak Khare** “**Hydrological Modeling of Small Watershed: Impact and Coping strategies towards Climate Change**” of International conference Modeling Tools for Sustainable Water Resources Management (MTSWRM) at IIT Hyderabad 28-29 December 2014 (Presented Paper).
6. R Krishan, Brij K Pandey, P P Katarki and **Deepak Khare** “**Water Resources Assessment Using DSS under Climate Change Scenario**” at HYDRO-15 International Conference organized by IIT Roorkee in December 2015.
7. Arun Mondal, **Deepak Khare**, Sananda Kundu, Prabhash Kumar Mishra., 2013. Detection of Land Use Change and Future Prediction with Markov Chain Model in a part of Narmada River Basin, Madhya Pradesh. *International Geographical Union (IGU)*

- Conference on Geoinformatics for Biodiversity and Climate Change March 14-16, 2013*, Rohtak, Haryana, India.
8. Sananda Kundu, **Deepak Khare**, Arun Mondal, Prabhash Kumar Mishra., 2013. Long term Rainfall Trend Analysis (1871-2011) for Whole India. *International Geographical Union (IGU) Conference on Geoinformatics for Biodiversity and Climate Change March 14-16, 2013*, Rohtak, Haryana, India.
 9. Prabhash Kumar Mishra, **Deepak Khare**, Arun Mondal, Sananda Kundu., 2013. Multiple Linear Regression based Statistical Downscaling of daily precipitation in a canal command. *International Geographical Union (IGU) Conference on Geoinformatics for Biodiversity and Climate Change March 14-16, 2013*, Rohtak, Haryana, India.
 10. Sananda Kundu, **Deepak Khare**, Arun Mondal, Prabhash Kumar Mishra, Rituraj Shukla. Analysis of the Long-term Rainfall Trend for Madhya Pradesh (1901-2011). *8th International Congress on Climate Change, Terroitorial Classification & Socio-Economic Crisis*, Tiruchirappalli, Tamil Nadu, April 23–25, 2013 India. Bharthidasan University, Tiruchirappalli and National Polytechnic Institute, Mexico.
 11. Arun Mondal, **Deepak Khare**, Sananda Kundu, Prabhash Kumar Mishra. **Assessment of Seasonal Variation of Land Surface Temperature (LST) in an Urban area.** *International Conference on Interdisciplinary application of Remote Sensing and Geographic Information System, Mumbai*, dated on 26th-27th, 2013 April. Department of Geology and Centre of Remote Sensing and GIS, K.J. Somaiya College of Science and Commerce.
 12. Arun Mondal, **Deepak Khare**, Sananda Kundu, Prabhash Kumar Mishra, Rituraj Shukla, Pramod Meena., 2013. **Assessment of Soil Erosion Status in a Part of Narmada River Basin, Madhya Pradesh.** *International Conference on Regional Development: Sustainability, Socio-economic Development in Jammu & Kashmir. Dated on 5th –6th June, 2013* in Dept. of Geography and Regional Development, University of Kashmir, Srinagar, India.
 13. Rituraj Shukla, **Deepak Khare**, Prabhash Kumar Mishra, Rituraj Shukla, Sananda Kundu, Arufn Mondal, Pramod Meena. 2013. Long term Monotonic Trend Analysis of Temperature series over Madhya Pradesh in India for 20th Century (1901-2005). *International Conference on Regional Development: Sustainability, Socio-economic Development in Jammu & Kashmir. Dated on 5th –6th June, 2013* in Dept. of Geography and Regional Development, University of Kashmir, Srinagar, India.
 14. Brar, T.S., Jain, R.K. and **Khare, D.**, ‘Decentralized Wastewater Treatment System For Restoration of Streams And Ground Water Quality In An Urban Area’, 4th International Congress of Environmental Research, Organized by Journal of Environmental Research And Development, Bhopal (INDIA), and SardarVallabhbbhai National Institute of Technology, Surat (India), December 15 – 17, 2011.
 15. **Deepak Khare**, P.K. Mishra, Santosh M. Pingale and Mahesh K Jat. “Climate Change: Issues and Challenges”, Workshop on Innovations for Sustainable Water Management, WALMI, Bhopal, WRD MP March 25-26, 2011, pp 97-112
 16. Santosh M Pingale, Mahesh K Jat and **Deepak Khare** (2009) “Perspective of Urban Water Demand Management in Changing Climate” *Proceeding of Seminar on Integrated Water Resources Management: Demand Assessment and Management* organized by

- Water Resource Department, Bureau of Indian Standard (BIS), New Delhi, March 20, 2009, pp16-26.*
17. **Gaikwad, P G., Khare Deepak, Mishra, G. C.**, “Determination of chemical composition of Bottom and Pond ash with the help of FESEM EDAX.”. *Proceeding of National Conference on Advances in Instrumentation held at Nashik during 23-24 January, 2009*, pp 210-212
 18. Biswas R, **Deepak Khare**, Shankar R, “Water Management for Delhi”, Presented in the International Congress of Environmental Research (ICER 08), BITS–Pilani, Goa Campus, Goa, India, 18–20 December 2008
 19. Jat, Mahesh Kumar, **Deepak Khare** and Garg, P. K., (2008), Integrated water management in an urban area: A case study, In Proceedings of National Conference on “Infrastructure Development in Civil Engineering (IDCE-2008)”, Department of Civil Engineering, NIT Hamirpur, 235-246.
 20. **Santosh Pingale**, Mahesh Kumar Jat, Deepak Khare (2008).“Integration of GIS in Environmental Modelling and Hydrological Analysis: A Review of Integration Technologies”.*Proceeding of National Conference on Infrastructure planning in Civil Engineering at NIT Hamirpur during 16-17 June*, pp 289-298
 21. **Gaikwad P. G., Khare Deepak, Mishra G. C. (2008).** “Fly Ash Disposal in India”, *Proceeding of National Conference on Infrastructure planning in Civil Engineering at NIT Hamirpur during 16-17 June*, pp. 518-523
 22. Bhaskar R. Nikam, **Deepak Khare** and S. K. Ghosh (2008).“Land and Water Resources Management Using Remote Sensing and GIS–A Case Study of Hilly Watershed”. *Proceeding of National Conference on Sustainable Water Resources Development and Management–2008 held at Aurangabad during 13-14 June*, pp 50-57
 23. SantoshPingale, H.C. Sharma, **Deepak Khare**, Mahesh K Jat and Harish Chandra(2008).“A Conceptual Model for Integrated Water Resources Management”. *Proceeding of National Conference on Sustainable Water Resources Development and Management–2008 held at Aurangabad during 13-14 June*, pp 142-149
 24. Mahesh K. Jat, **Deepak Khare** and P.K. Garg “Integration of Supply and Demand Management Options in a Water Deficient Environment”, 40th Annual Convention of IWWA, Indore, 7-9 February, 2008 pp 61-68
 25. R. Biswas, **Deepak Khare** and R. Shankar , “Alternative Water Provisions in Delhi: Present Status and Sustainability ”, 40th Annual Convention of IWWA, Indore, 7-9 February, 2008 pp 130-136
 26. Brar, T.S., Jain, R.K. and **Khare, D.**, ‘Water resource management plan for patiala – 2021’, National Seminar on sustainable Urban Settlements: Issues and strategies’, Department of Sociology, Guru Nanak Dev University, Amritsar, 3/2005
 27. S.R. Yadav, T.S. Brar, D.C. Singhal, R.K. Jain and **Deepak Khare**, “Rainwater Harvesting and Groundwater Recharge for sustainable Management of Urban areas” *Proceeding of National Conference on Sustainable Management of Water Resources*, College of Agriculture and Technology, JunagarhGujrat, 28-29 January, 2005 pp 170-176
 28. ShailzaVerma, **Deepak Khare** and S.K. Jain, “Urban Water Management: Issues and Challenges” *Proceeding of National Conference on Sustainable Management of Water*

- Resources', College of Agriculture and Technology, JunagarhGujrat, 28-29 January, 2005 pp 38-44
29. Brar, T.S., **Khare, D.** and Jain, R.K., 'Need to adopt decentralized wastewater treatment system in urban areas', In Proceedings of Seminar on Challenges and Priorities in Urban and Regional Planning Organized by Guru Ramdass School of Planning, Guru Nanak Dev University, Amritsar, 2004
 30. Brar, T.S., Jain, R.K. and **Khare, D.**, 'Public Participation and Innovative Techniques for Water Management in Urban Areas', 53rd National town and Country Planners Congress, Indore, 2004.pp 247 – 253.
 31. Ramakant; Satyanarayan, S.; Palsania, J. and **Khare, Deepak**. Effect of dissolved salts on solubility of oxygen in simulated water, *National Seminar at I.I.T. Kharagpur*, Kharagpur, India. Sept. 23-25, 2004.
 32. Brar, T.S., Jain, R.K. and Khare, D., 'Changes In Building Bye-Laws For Domestic Rain Water Harvesting', Planning and Construction of Buildings in Modern India, The Institution of Engineers (India), Roorkee Local Centre, IIT Roorkee, Roorkee, 2004.
 33. ParmanandSinha, AkshyaDwivedi, HariNasmiatra, **Deepak Khare** "Perspective of Tradetional Water Harvesting System", National conference on Traditional knowledge system in India' held at IIT Kharagpur, 9-11 January, 2004.
 34. **Dr. Deepak Khare**, Dr. C.S.P.Ojha&Ramakant "Filtration of harvested rainwater from rooftop: A case study" in National Seminar on "Rainwater Harvesting" 19 November 2003 at Hyderabad organized by Bureau of Indian Standards-BIS
 35. **Dr. Deepak Khare**, Dr. C.S.P.Ojha, Ramakant&ShailzaVerma "Qualitative management of harvested rainwater treatment system" in National Water Convention 5–7 November 2003, at Bhuvneshwar, Orrisa.
 36. **Khare Deepak**, "Issues and challenges in rainwater harvesting: Some experiences of Indore Madhya Pradesh", Paper presented as Key Speaker and published in the Proceeding of national workshop on rainwater management (rural & urban solution), Organized INSTRUCT, Bangalore, 24-25 January, 2003
 37. **Khare Deepak**, "Necessity of filtration devices for rainwater harvesting", Paper published in the Proceeding of national symposium on rainwater management for water security, Organized JNKVV Jabalpur (M.P), 6-7 January, 2003
 38. **Khare Deepak**, "Implementation of rainwater harvesting project: Issues and challenges", Paper presented and published in the Proceeding of National Seminar on "Water and Environment: Issues & Challenges", Organized by IWRS and WRDTC, IIT Roorkee 12-13 October, 2002
 39. **Khare Deepak**, "Rainwater Harvesting: An overview of Indore", paper presented and published in the National Seminar on Groundwater conservation and management-With special reference to Madhya Pradesh, 16-17 May, 2002
 40. **Khare Deepak**, Asawa G.L. and Chawla A.S., "Economic Analysis For Conjunctive Use Planning Of Water Resources" paper presented and published in the proceedings of National seminar on "Recent Trends in Civil Engineering" 22-23 February, 2002

41. **Khare Deepak**, "Groundwater Withdrawals in Indore City", paper presented and published in the proceedings of the workshop on Rainwater Harvesting: Need of People's Participation, 23rd Sep., 2000.
42. **Khare Deepak**, "Methods of Rainwater Harvesting", paper presented and published in the proceedings of the workshop on Rainwater Harvesting: Need of People's Participation, 23rd Sep., 2000.
43. **Khare Deepak**, "Application of Modelling Techniques in Planning Ground Water Development.", Key paper invited for the Workshop on Ground Water Development Trends and Related Issues in Madhya Pradesh, under Hydrology Project, 9th October, 1999.
44. **Khare Deepak**, Asawa, G.L. and Chawla, A.S., "Optimum Capacity of Shallow tubewells." Seminar on Recent Trends of Engineering in Rural Context, Pantnagar (UP), Nov., 1994.
45. Shrivastava, R.K. and **Khare Deepak**, "Major and Minor Irrigation Schemes : Some thoughts", Invited Paper published in the Souvenir on Water Resources Day- 1994, Organised by IWRS Indore Centre, 12th June, 1994
46. **Khare Deepak** , Asawa, G.L. and Chawla, A.S., "Conjunctive use for water Management", Presented in Seminar-93, held at University of Roorkee, Roorkee, 3-4 April, 1993.
47. **Khare Deepak** and Shrivastava, R.K., "Environmental Aspects & Responsibilities of Various Organisations in Large Dam Construction" Paper Published in the Proceedings of National Symposium of IWRS on Large Reservoirs: Environmental Loss or Gain, held at Nagpur, 7-9 Feb., 1992.
48. Shrivastava, R.K., **Khare Deepak** and Ajmera Sunil, "Optimal Cropping Pattern under varying availability of water in Jobat Project" Paper Published in the Proceedings of National Symposium on Optimization Techniques & Applications, held at Madurai, Tamilnadu, 2-3 July, 1992

DETAILS OF THESIS SUPERVISED

Ph.D. Thesis	=29
Awarded	=18
Submitted	=01
Under Progress	=10

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
Awarded =18				
1	"Modelling of sand filters for rainwater harvesting",	2006	Ramakant	Deepak Khare C.S.P. Ojha

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
2	"Spatial Decision Support System for Water Resources Planning on Watershed Basis"	2006	Kishore A.Dhore ,	U.C. Chaube Deepak Khare P.K. Garg
3	Soil Erosion Modelling in LoktakLake Catchment: An Integrated Approach	2007	Singh K, Sonamani	Deepak Khare S.K.Jain Bhishm Kumar
4	Integrated Water Management Modelling In Urban Fringe Using Remote Sensing & GIS	2007 (CED)	Mahesh Kumar Jat	P.K. Garg Deepak Khare
5	"Decision Support System for Integrated Urban Water Management"	2010	ShailzaVerma	Deepak Khare Sharad K Jain
6	"Water Supply Management in Uban Residential Development"	2010 (APD)	R. Biswas	R. Shankar Deepak Khare
7	"Solute Transport from Fly ash Slurry Pond",	2010	Gaikwad P.G.	Deepak Khare G.C. Mishra
8	"Assessment And Management Of Waterlogged Area Within An Irrigation Command Areas Using GIS And Remote Sensing"	2011 (CED)	ShirishaUppaluri	S.K. Ghosh Deepak Khare
9	"Water Resources Management Policy for Sustainable Urban Development"	2011 (APD)	Tejwant Singh Brar	R.K. Jain Deepak Khare
10	"Distributed Modeling of Conjunctive Using Remote Sensing And GIS",	2012	BhaskarRamchandraNikam	Deepak Khare S.K. Ghosh
11	"Assessment of Climate Change & Its Impact on Water Resources"	2013	SantoshPingle	Deepak Khare M.K. Jat
12	"Impact Assessment of Climate and Landuse Changes on Soil Erosion and Carbon Loss"	2015	ArunMondal	Deepak Khare
13	"Assessment Of Climate And Landuse Change Impacts On Water	2015	Sananda Kundu	Deepak Khare

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
	Balance"			
14	"Impact of Climate Change and Landuse Changes on Ground Water in a Canal Command"	2016	Ritu Raj	Deepak Khare
15	"Optimal Water Resources Management in a Canal Command considering Climate Change."	2016	P.K. Mishra	Deepak Khare
16	"Assessment of Hydro-climatological parameters in Kshipra River basin, India "	2016	Pramod Meena	Deepak Khare
17	"Watershed Hydrological Modelling Considering Landuse And Climate Changes"	2018	Tesfa Worku Meshesha	Deepak Khare S. K. Tripathi
18	Hydrological Response Simulation under Land use and Climate change scenarios	2018	Brij Pandey	Deepak Khare
Submitted=01				
19	Development of Decision Support System for Urban Watershed Under Climate Change	Registered in 2013	Ayush Chandrakar	Deepak Khare
Under Progress=10				
20	Impact Assessment of Climate Change on River Hydrology	Registered in 2013	Manish Nema	Deepak Khare S.K. Jain (NIH)
21	Water Resources Allocation and Management Considering Climate Change in a canal Command	Registered in 2014	Radha Krishan	Deepak Khare Bhaskar Nikam, ISRS
22	Impact of Climate Change on Urban Water	Registered in 2015	Lakhwinder Singh	Deepak Khare P.K. Mishra, NIH
23	Performance Analysis on Large Hydro Generating Units under Varying Climatic	Registered in 2016	D. Karthik	Thanga Raj Deepak Khare

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
	Conditions			
24	Investigation of power and control redundancies in large asynchronous hydro generating units	Registered in 2016	S. Raghu	Thanga Raj Deepak Khare
25	Hydrological Modelling in Glacierized basin in changing climate	Registered in 2017	Tanmoyee Bhattacharya	Deepak Khare Manohar Arora (NIH)
26	"Sustainable Urban Water Management in Hill Towns"	Registered in 2017 (APD)	Sandeep Sharma	Mahua Mukherjee Deepak Khare
27	"Integrated Urban Water Resource Management In A Changing Climate"	Registered in 2019	Jagriti Jain	Deepak Khare
28	Ground Water Management in Changing Climate"	Registered in 2019	Sourav Choudhary	Deepak Khare Santosh Pingale, NIH
29	"Sustainable Water Management in Ethiopia: A case Study"	Registered in 2019	Ayano Hirbo	Deepak Khare Kasiviswanathan K S

CED: Civil Engg. Department

APD: Architectural Planning Department

M.Tech. Thesis (Guided)-

Completed

=101

-In Progress

=13

List of M.Tech. Thesis Guided:

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
At SGSITS Indore (till ...2001)				
1	"Ground Water Modeling for Prediction of well water levels in satak project area"	1994	B.Nazeer Ahmed	R.K.Shrivastava Deepak Khare
2	"Conjunctive use of Surface and Ground Water for Satak Command in Narmada River"	1995	R.V.ChalapathiRao	Deepak Khare R.K.Shrivastava
3	"Groundwater Modeling – A Case Study for Indore Tehsil",	1995	VikasGoyal	Deepak Khare R.K.Shrivastava

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
4	"Real Time Inflow Forecasting and Optimal Strategies for Crop Planning Under Tawa Project"	1995	PratulShrivastava	R.K.Shrivastava Deepak Khare
5	"Conjunctive use Planning of Water Resources- A Case Study"	1996	MutnuruSrinivasaRao	Deepak Khare R.K.Shrivastava
6	"Development of Optimal Operating Rule Curves for Tawa Reservoir- A Case Study"	1997	MaqsoodurRahman Khan	R.K.Shrivastava Deepak Khare
7	"Ground Water Modelling- A Case Study For Omkareswar Left Bank Canal Command"	1997	Vijay Kant Maurya	Deepak Khare.
8	"Water Balance Studies for Omkareswar Right Bank Canal Command"	1998	Ramesh Y. Patil	Deepak Khare R.K.Shrivastava
9	"Conjunctive Use Planning of Water Resources: Omkareswar Left Bank Canal Command- A Case Study"	1998	PankajVijayvargiya	R.K.Shrivastava Deepak Khare
10	"Optimal Cropping Pattern Studies for Omkareswar Left Bank Canal Command"	1998	Yogesh Nair	Deepak Khare R.K.Shrivastava
11	"Ground Water Modelling: A Case Study of Depalpur Tehsil, Indore"	1999	Manish Dubey	Deepak Khare R.K.Shrivastava
12	"Impact Assessment of Rajeev Gandhi Watershed Mangement Mission- A Case Study"	2000	Mitthan Singh Raghuwanshi	Deepak Khare.
13	"Derivation of Unit Hydrograph for Maithon Sub Catchment: A Case Study"	2000	SudeshnaBakshi	R.K. Shrivastava Deepak Khare
14	"Optimal Design of Filter For Rooftop Rainwater Harvesting"	2001	HridayeshVarma	T.A.Sihorwala Deepak Khare
15	"Impact Assessment of Rainwater Harvesting on Ground Water Quality",	2001	VasudeoKhairwar	R.K.Shrivastava Deepak Khare
16	"Optimal Design of Pile For Rainwater Harvesting",	2001	S.C.Janoliya	Deepak Khare.
AT IIT ROORKEE (From 2001 onwards)				
17	"Performance Evaluation of Chandra Canal Irrigation Project In Nepal"	2001	BinodK.Jha	Deepak Khare Raj Pal Singh.
18	Critical Review of Pratices of Operation And Maintenance of Minor Irrigation System At Ciloganti Indonesia	2001	MuhamatMarasabessy	Deepak Khare Raj Pal Singh.

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
19	"Study of The Losses in an Irrigation System- A Case Study"	2001	C.L.Jatav	Deepak Khare Raj Pal Singh. D.C.Sharma
20	"Conjunctive Use Planning in Krishna (Nagarjunasagar) – Pennar (Somasila) Link Canal Command",	2002	J.DevaSundar	Deepak Khare.
21	"Conjunctive Use Planning For Sopan Irrigation Project of Indonesia",	2002	Ediwahyunan	Deepak Khare.
22	"GIS Based Analysis For Identification of Water Logged Area, A Case Study of Tawa Project	2002	YancePabisa	Deepak Khare S.K.Ghosh.
23	"Identification of Parameters for Developing Management Information System for An Irrigation Project",	2002	Darmawangsa	V.K.Bairathi Deepak Khare.
24	"Gis Based Study For Rain Water Harvesting - A Case Study for Mussoorie",	2002	RegaladoCarangand	Deepak Khare P.K.Garg.
25	"Watershed Management In Droughth Prone Area: A Case Study In Kalahandi District",	2002	DevrajSethi	Deepak Khare.
26	"Towards Effective Watershed Management In Kenya – A Case Study of Machakos District",	2004	Richard MunyaoKanui	Raj Pal Singh Deepak Khare
27	"Parametric Evaluation of Water Logging Using GIS - A Case Study"	2004	Haruno	Deepak Khare S.K.Ghosh.
28	"Watershed Management Using Gis in East Java Province of Indonesia",	2004	HariNasmiarta	Deepak Khare Sanjay K. Jain.
29	Envoirmental Impact Assessment of Irrigated Agriculture"	2004	QahramonJumaboyev	Deepak Khare Raj Pal Singh.
30	"Critical Study of Design & Planning of The Work in Some Small Irrigation System in The Philippines",	2004	Jerome L. Jamanulla	Deepak Khare Raj Pal Singh.
31	"A Study on Suitable Measures for Controlling Seepage Losses From Irrigation Istration Network",	2004	Bharat Mani Dhital	Deepak Khare Raj Pal Singh.
32	"Study of Cropping Pattern In Irrigated Command",	2004	Raj Kumar Shreevastava	Deepak Khare Raj Pal Singh.
	"Assessment of Artificial	2005	RajeshwarYadav	Deepak Khare

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
33	Recharge Through Recharge Well”,			G.C. Mishra
34	“Soil and Water Resources Conservation and Management for Agricultural Production in Dry Areas of Uzbekistan”,	2005	AdhamTulaganov	Deepak Khare Raj Pal Singh.
35	“Watershed Management Planning Using Wms: A Case Study”	2005	Ramesh Pawar	Deepak Khare Sanjay K. Jain.
36	“Irrigation Scheduling in A Canal Command Area- A Case Study”	2005	AgusRejekl Nusantara Nainggolan	Deepak Khare S.K. Mishra
37	“Watershed Prioritization :A Case Study”	2005	TarunBhatnagar	Deepak Khare
38	“Interlinking of Rivers Using GIS”	2005	Agarwal	P.K.Garg Deepak Khare
39	“Delineation of Aquifers By Electrical Resistivity Method”	2006	Sanjeev Kumar	GopalChauhan Deepak Khare
40	“Conjunctive Use Planning of Water Resources in A Canal Command”	2006	Mireku Yaw	Deepak Khare
41	“Rainfall-Runoff Modelling in An Ungauged Watershed Using GIS”	2006	Ajay Kumar Jha	Deepak Khare
42	Performance Evaluation of Ground Water Pumping System	2007	KakarlaNarendra Verma	GopalChauhan Deepak Khare B.K. Gandhi
43	Effective Water Management Through Improved Irrigation System in A District of Tashkent, Uzbekistan	2007	Djamshid R. Tursunov	Deepak Khare
44	Soil Erosion Modelling in Watershed- A Case Study	2008	Ms. Sumedha Kulkarni	Deepak Khare
45	DSS For Water Resources Assessment In Changing Climate	2009	Prakash P. Katarki	Deepak Khare
46	Assessment of Climate Change & Its Impact in River Basin Planning	2010	Ari Setyorini	Deepak Khare
47	Impact of Climate Change on Stream Flow	2010	WishuPramudiio	Deepak Khare S.K. Jain
48	Rainwater Harvesting in an Urban Area Considering Climate Change: A Case Study	2011	Pradip Kumar Nayak	Deepak Khare

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
49	Restoration of Water Resources in Changing Climate	2011	Rajinder Singh	Deepak Khare
50	Impact of Climate Change on Glaciers : A Case Study of Lunana Region in Bhutan	2011	LekiDorji	Deepak Khare
51	Impact assessment of catchment dynamics of ground water in a canal command	2012	Ajay Krishna Prabhkar	Deepak Khare
52	Impact of landuse change on runoff in a catchment of hydro power project	2012	DipetenduPatra	Deepak Khare
53	Decision Support System (DSS) for Urban water management with Climate considerations	2012	Praveen Kumar	Deepak Khare
54	IMPACT OF LANDUSE AND CLIMATE CHANGE ON GROUNDWATER IN UPPER GANGA CANAL	2013	Nitin Mishra	Deepak Khare R.P. Singh
55	Integrated Water Resources Management in canal Command Area in Terai Region of Nepal	2013	Ishwari Prasad Tiwari	Deepak Khare
56	Performance evaluation of Salia irrigation project in changing climate	2013	Rabindranath Sethi	Deepak Khare P.C. Nayak
57	Water management of minor irrigation project in changing climate	2013	A.Ram Prasad Rao	Deepak Khare
58	Assessment & Improvement of Irrigation efficiency of Satiguda Medium Irrigation Project of Odisha in changing climate	2014	Sandeep Kumar	Deepak Khare
59	GIS Based Evaluation Of Ground Water Potential Zone & Site Suitability For Soil-Water Conservation	2014	Harsh Vardhan Singh	Deepak Khare
60	Restoration Plan Of An Earth Dam: A Case Study	2014	Pritam Chetan Pothal	Deepak Khare
61	Integrated Flood Management In Climate Change Scenario-A Case Study Of Bagmati River Basin	2014	Amrendra Kumar	Deepak Khare
62	Impact of Climate Change on Stream Flow : A case study	2015	Pratibha	Deepak Khare Ashok Khariya

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
63	Water balance study of canal command area	2015	Suresh	S.K. Mishra Deepak Khare
64	Sustainability Assessment of Rural Water Supply Schemes in Uttarakhand	2015	Lt Col Hemant Joshi	M.L. Kansal Deepak Khare
65	Impact Assessment Of Land Use And Climate Changes On Groundwater In Rushikulya River Basin Of Odisha	2015	Rasmita Kumari Sahu	Deepak Khare
66	Water Availability Improvement Through Canal Lining: A Case Study	2015	Gurmeet Singh	Deepak Khare
67	Estimation Of Seepage Losses In Canal Irrigation System: A Case Study	2015	Kumar Gaurav	Deepak Khare
68	Glacial Lake Identification By Image Processing Software And Listing Of Potentially Dangerous Lakes In A Basin	2015	Lalan Kumar Jha	Deepak Khare
69	Filtration and Sustainability of water Quality in Roof-Top Rainwater Harvesting	2016	Sakshi Gupta	Deepak Khare
70	Environmental Flow assessment in lower reach of Mahanadi Basin and its distributaries.	2016	Sangitarani Sahoo	Deepak Khare PK Mishra, NIH
71	Analysis of cloud Burst Events Using Archived Multi-Satellite Precipitation Estimates.	2016	Ashish Chaudhary	Deepak Khare
72	Conjunctive Use of Ground Water and Surface Water – A Case study of Nepal	2016	Bhakta Kumar Lal	Deepak Khare
73	Integrated Water Management in Sunei Medium Irrigation Project in Changing Climate	2016	Satyapriya Behera	Deepak Khare PK Mishra, NIH
74	Hydrological Modeling of Urban Catchment in Changing Climate Using SWAT Model	2017	Mr. Afera Halefom Teka	Deepak Khare
75	Hydrological Modeling of Urban Area By Considering Land Use And Climate Change	2017	Mr. Ermias Sisay Brhane	Deepak Khare
76	Watershed Management in Changing Climate- A Case Study of Nepal	2017	Mr. Amar Bahadur Pal	Deepak Khare PK Mishra, NIH
77	Study of Cavitation Erosion Resistance of Different Materials Using ASTM G134	2017	Mr. Ankit Kumar	Deepak Khare

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
78	Study the Cavitation Erosion Resistance of Different Turbine Blade MAT Using ASTM G 32	2017	Mr. Pawan Kumar Yadav	Deepak Khare
79	Performance Evaluation of Lift Irrigation Scheme : A Case Study of Koshi Pump Canal System Nepal	2017	Mr. Ram Babu Sah	Deepak Khare
80	Ground Water Management for Sustainable Development – A Case Study of Nepal	2017	Mr. Sunil Shah	Deepak Khare PK Mishra, NIH
81	Water Management in a Smart City: A Case Study	2018	Love Shankar Bharti	Deepak Khare Manish Nema, NIH
82	Assessment of Agricultural Productivity Indicators : A Case Study	2018	Rahul Patidar	Deepak Khare
83	Water Resources Management in Upcoming City – A Case Study of Amaravati	2018	Andra Sai Kumar	Deepak Khare
84	Urban Water Management in Changing Climate – A Case Study	2018	Chintawar Abhishek Anil	Deepak Khare
85	Rain Water Harvesting – A Case Study Ghana	2018	Collins Andoh	Deepak Khare
86	Impact Assessment of Irrigation in M.P. : Case Study	2018	Sagar Patel	Deepak Khare
87	Optimum Utilization of Water Resources – A Case Study	2018	Shivananda D. M.	Deepak Khare PK Mishra, NIH
88	Sustainable Water Management for Smart City – A Case Study of Bengaluru	2018	Thirumalesha D.V.	Deepak Khare PK Mishra, NIH
89	Interlinking of Rivers – A Case Study	2018	Anshul Jain	Deepak Khare Manish Nema, NIH
90	Rainwater Harvesting: Case Study Tanzania	2018	Msafiri Mussa Mtanda	Deepak Khare
91	Development of Flow Duration Curve or Ungauged Basins Using Various Regionalization Methods	2019	Gopalkumar Boliwal	Deepak Khare, Dr. Manohar Arora NIH
92	Flow Simulation Of An Ungauged Catchment Using Different Regionalization Procedures	2019	Mohit Bhatia	Deepak Khare, Dr. Manohar Arora NIH
93	Health Assessment of Ganga River Along the Major Cities, Contamination in Agricultural Land And Power Generation	2019	Rahul Dwivedi	Deepak Khare, T.R. Chelliah

SN	Title of the Thesis	Year of Award	Name of Student	Supervisors
	Technique In STP Plants Haridwar-Prayagraj			
94	Assessment Of Water Contamination And Sewage Works In Riparian Cities Of The Ganga	2019	Abhinav	Deepak Khare, T.R. Chelliah
95	Assessment of Flood Disaster and Strategies For Mitigation Using Remote Sensing And GIS	2019	Manish Kumar	Deepak Khare, R.D Singh
96	Hydrological Modeling in Kabul River Basin: A Case Study Of Afghanistan	2019	Mohammad Taha Aawar	Deepak Khare
97	Water Resource Management Plan in Smart City: A Case Study Of Dehradun City	2019	Ruchi Tripathi	Deepak Khare, Santosh Pingale NIH
98	GIS Based Groundwater Potential Mapping Using Machine Learning Techniques: A Case Study Of Shipra River Basin	2019	Ruchir Patidar	Deepak Khare
99	Reservoir Simulation of The Multipurpose Project Under Changing Climate: A Case Study Of Kankai Multipurpose Project, Nepal	2019	Deepa Gautam	Deepak Khare, R.D Singh
100	Streamflow In Budhabalanga River Basin (Odisha)	2019	Manoranjan Pattanayak	Deepak Khare
101	Soil Erosion Assessment of catchment & Sediment Management in Hirakud Reservoir using Remote Sensing and GIS	2019	Rajendra Kumar Mishra	Deepak Khare, Santosh Pingale NIH

Under Graduate Projects (Guided)

=04

At SGSITS Indore

- (1) Determination of Aquifer Parameters Using Computer (A Case Study)
- (2) Ground water withdrawals: An overview of Indore City
- (3) Design of Drainage for Storm Water (College Campus)
- (4) Rainwater Harvesting: An overview of Indore