

1. **Name** : Dr. Umesh Jagannathrao Kahalekar

2. **Designation** : Professor in Civil Engineering & Dean (SA)

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5. **Date of Birth** (DD/MM/YYYY) : 06th June 1962

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(Maharashtra) – 431 005

7. Educational Qualifications:

Examination and Specialization	Name of the Institute/University/ Board	Year of Passing	Percentage of Marks/	Grade
LL.B.	Dr.B.A.M.University, Aurangabad	2011	64	I
Ph.D. (Environmental Science)	Dr.B.A.M.University, Aurangabad	1996	-	-
M.E. (Civil-Environmental Engineering)	VJTI,Mumbai,Bombay University	1988	61	I
B.E. (Civil)	Govt. Engineering College, Aurangabad, Marathwada University, Aurangabad	1982	60	I
H.S.C.	HSC Board, Aurangabad	1978	69	I
S.S.C.	SSC Board, Aurangabad	1976	73	I

8. Experience (Teaching, Industrial and Research):

Name of the Institute/ Organisation	Department	Designation	From Date	To Date
Govt. College of Engineering, Aurangabad	Civil Engineering	Professor	26-7-2005	till date
Govt. College of Engg. Pune	Civil Engineering	Professor	27.01.2004	25-7-2005
Govt. College of Engg. Aurangabad	Civil Engineering	Assistant Professor	30-1-1996	27.01.2004
Govt. College of Engg. Aurangabad	Civil Engineering	Lecturer	1-2-1990	30-1-1996
Chief Engineer Office	Irrigation	Assistant Engineer Grade 2	8-7-1982	31-1-1990

9. Courses Taught:

1. Basics of Civil Engineering
2. Environmental Engineering
3. Air Pollution & Control
4. Solid Waste Management
5. Construction Management
6. Hydrology
7. Advance Water Treatment
8. Constitution of India & Professional Ethics

10. Details of M.E. Dissertations Guided:

Sr. No.	Name of the Candidate	Dissertation Title	Year of Completion
1	Mr. Vedant Karhade	Environmental Impact assessment of Watershed	November 2020
1	Tornekar Anushree Anil	A Comparative Study on Determination of Crop Water Requirement and Irrigation Scheduling Using CROPWAT 8.0 And AQUACROP	August 2019
2	Prayag Ankita Girish	Study Assessment and Redesign of Village Level Water Balance Calculations in Jal Yukta Shivar Program	August 2016
3	Pathan Sajedkhan S	Optimal Design of Water Distribution Network and Its Water Quality Analysis by using Water-GEMS	June 2015
4	Bansode Pranav Pradeep	Water Audit of a City	September 2014
5	Deshmukh Sarang Bhalchandra	Ground Water Quality Parameters: Salinity, Sodium Adsorption Ratio, Boron	October 2014
6	Kumawat Hastimal Shivaji	Evaporation Suppression from Water Surfaces using Chemical Films	November 2013
7	Deshmukh Rajendrakumar	Hydraulics of Sewerage System	June 2012
8	Pathan Akram Salim	Benefit Cost Ratio of Water Supply System and Water Treatment Plant	January 2012

11. Details of U.G. Projects Guided in last five years:

Sr. No.	Name of the Candidates	Title of Project	Year of Completion
1	Kapil Hiwralay, Satish Warpe, Aakash Ajmera, Ajay Kolte, Rushikesh Pawar, Tushar Phopse, Rajaram Latal	Different Aspects of Construction Management on Construction Site	2014-15
2	Rushabh Thole, Nikhil Mahale, Amol Chaudhari, Rajashri Sarode, Swarrasha Bedmutha, Shreyans Mutha, Kiran Ahire, Seema Kolte	Solid Waste Management-Saving of Paper, Water and Energy through Optimum Utilization of Journal Papers	2016-17
3	Nitish Deshmukh, Prajakta Dharne, Snehal gadekar, Pranav Kubade, Suraj Bhasinge, Pushpraj Patil, Poonam Rayate, Chaitrali Sawarkar	Water Audit	2017-18
4	Poonam Dhakne, Harshada Kadam, Priyanka Khandagale, Shruti Paralikar, Narayan Mahanor, Dikshant Yadav, Uday Kudke	Environment Management of an Organisation	2018-19
5	Anjali Jadhav Rahul Katore Kavita Raulwad Omkar tamshette Shubham Tribhuvan E.S.A.Tamboli Haroon Majeed Meer Hyder Ashraf Ajay Shep Mansi Gaikwad	Management of Solid Waste	2019-20

12. Details of Swayam/ MOOCS/NPTEL programmes attended :

Sr.No.	TrainingName	From Date	To Date	Organization
1	Introduction to Geographic Information Systems	Feb.2018	March-2018	NPTEL online certification, IIT, Roorke
2	Electronic Waste Management	Jan-2019	Feb.-2019	NPTEL online certification, IIT, Kharagpur
3	Principles of Construction Management	July2019	September 2019	NPTEL online certification, IIT, Kanpur

13. Conferences / Training programs organized :

	Conferences/ Workshop/Seminars description	Month & Year	National/State/ International
1	National Seminar on 'Recent Acts of Waste Management in India' arranged by Department of Civil Engineering, Ujjain Engineering College, Ujjain (MP) Sponsored by TEQIP III worked as Twinning Coordinator	27/07/2019	National
2	National Conference on "Sustainable Water Resources Development and Management-SWARDAM 2013" under TEQIP II	30 September and 1 October 2013	National
3	National Conference on "Environment Pollution and Management-EPM 2011"	28 and 29 January 2011	National
4	National Conference on "Sustainable Water Resources Development and Management"	13 and 14 June 2008	National
5	National Seminar on "Improvement, Rehabilitation and Maintenance of Roads" sponsored by AICTE, New Delhi	22/23 August 2003	National
6	National Seminar on "Financing, Design, Construction and Operation of Highways" sponsored by AICTE, New Delhi	7,8 February 2002	National
7	ISTE sponsored National Seminar on Teacher Vacancies in Degree and Diploma Level Technical Institutions	21-22 January 1998	National
8	Convener for Two days workshop on 'Faecal Sludge Management' held on The workshop was arranged in collaboration with MIT, Aurangabad and Unity Knowledge LLP, Pune	10 & 11 August 2018	Aurangabad Level

14. Conferences/ workshops Attended in last three years:

Sr. No.	Conferences/ Workshop/Seminars description	Month & Year	Place
1	National Seminar on 'Recent Acts of Waste Management in India'-Key Note Speaker	27/7/2019	Ujjain Engineering College, Ujjain
2	National Conference on 'Environment Pollution Control & Management EPCM -2019' worked as session Chairman	1/3/2019	COE, Pune
3	Workshop on 'APH-2019' arranged by AICTE, WRO, Mumbai	16/1/2019	Ahmedabad
4	Workshop on topic 'Examination Reforms' arranged by AICTE	1/2/2019	COE, Pune
5	'Industry-Institute Congregation-2018' arranged by DTE, Mumbai-Conducted Panel discussion.	27/4/2018	Marathwada Auto Cluster, Aurangabad
6	State level workshop on 'Enhancing Quality of Technical Education: Issues and Challenges' organized by DTE, Mumbai and AICTE WRO Mumbai	21/02/2018	Thakur College of Engineering & Technology, Mumbai
7	3 rd World Summit on Accreditation organized by NBA	18 to 20/03/2016	Delhi

15. Memberships of professional bodies

Sr. No.	Name of The Professional Body/ Organization	Membership Type	Membership Number
1	Institute of Engineers,	Life	LM-104342
2	ISTE	Life	LM14791
3	Indian Association For Environmental Management	Life	LM1323

16. Publications (yearwise) International Journal-

Sr. No.	Author(s)	Title of the Paper	Details of Publication Journal, volume, issue, page No. , date
1	Vinayak N. Mangrule, U J Kahalekar	Watershed Planning and Development Plan by Using RS and GIS of Khultabad Taluka of Aurangabad District	International Journal of Information and Computation Technology, ISSN 0974-2239, Volume 3, Number 10(2013), pp.1093-1100
2	U J Kahalekar, Hastimal S. Kumawat	Evaporation Suppression from Water Surfaces using Chemical Films	International Journal of Environmental research and Development[IJERD] ISSN No. 2249-3131, Volume 3, Number 3 (2013)

National Journal

Sr. No.	Author(s)	Title of the Paper	Details of Publication Journal, volume, issue, page No. , date
1	M.M. Ghangrekar, U. J. Kahalekar, J. S. Sakle,	'Applicable Loading Rates for Design of UASB Reactor'.	Vol. 82, March-2002. Institution of Engineers (India) Environmental Engineerig Division

International Conferences

Sr. No.	Author(s)	Title of the Paper	Details of Conference Publication, Conf Name, Place, page No. , date
1	Ghangrekar M.M., Sakle J.J., and Kahalekar U.J.	UASB process: Application for sewage treatment	Proceedings of International Conference on Innovative Technologies for Rural Water Supply & Environmental Sanitation, Roorkee, Oct. 12-13, 2000
2	Sadgir, P.A., Patil, G.K. and Kahalekar, U.J.	“Sewage for irrigation”	International Congress of Chemistry and Environment, Indore from 24 th to 26 th December, 2005
3	Sadgir, P.A., Patil, G.K. and Kahalekar, U.J	“Evaluation of impact of polluted water on ground water quality in Kham river basin	” International Congress of Chemistry and Environment, Indore from 24 th to 26 th December, 2005.
4	Sarang B. Deshmukh, U.J.Kahalekar	Ground Water Quality Survey- Case Study-Beed district	International Conference on Science & Technology (ICST-2014), S.B.Patil College of Engineering, Indapur, Pune held on 21 & 22 February 2014
5	U. J. Kahalekar, Rushabh Thole	‘Saving Water and Energy Through Optimum Utilization on Journal Paper’	3 rd International Conference on Multidisciplinary Research & Practice held on 24 th Dec 2016 at Ahemadabad
6	Hyder Ashraf Trunkhroo, U J Kahalekar	‘Management of Construction and Demolition Waste’	International Conference on Environmental Challenges & Solutions, 31 January to 2 February 2020, organised by Shiksha Sanskritinutthan Nyas , New Delhi
7	Haroon Majeed Mir, Hyder Ashraf Trunkhroo, U J Kahalekar	Management of Electrical & Electronic Waste	International Conference on Advances un Civil and Structural Engineering 2020, at Govt. College of Engineering, Karad, 24, 25 April 2020
8	Hyder Ashraf Trunkhroo, Omkar Tamshette, U J Kahalekar	Analysis, Management and Disposal of Construction and Demolition Waste	International Conference on Advances un Civil and Structural Engineering 2020, at Govt. College of Engineering, Karad, 24, 25 April 2020

National Conference and workshops

Sr. No.	Author(s)	Title of the Paper	Details of Conference Publication, Conf Name, Place, page No. , date
1	Y.M.Ghugal, Dr U.J.Kahalekar	“Effects of Sulphur, Nitrogen and Carbon Compounds on Cement and concrete”,	Conference arranged by Institution of Engineers, (India) Nagpur on 28-29 Feb. 1992.
2	U.J.Kahalekar, I.K.Pateriya	“Solid Waste Recycle, Reuse and Disposal”.	Conference arranged at M.I.T. Aurangabad on 19 th Jan. 1997
3	U.J.Kahalekar, B.N.Pandey	“Pollution Control: Role of anaerobic Process” arranged at D.S. university Ajmer on 24-26 th Nov. 1997	Conference arranged at D.S. university Ajmer on 24-26 th Nov. 1997
4	U.J.Kahalekar, K.A.Patil and Mohd.Sadeque	“Changes of properties of soil due to disposal of waste”	in Indian Geotechnical Conference 1997 arranged at Indian Geotechnical society, Baroda Chapter
5	U.J.Kahalekar	“Treatment of waste water Biological Approach”,	workshop on Effluent Irrigation on 23-24 May, 1998 arranged by Maharashtra Water and Irrigation commission at Pune
6	U.J.Kahalekar	‘Waste water treatment and curriculum of undergraduate courses’	National seminar arranged by S.B.E.S. College of Science, Aurangabad on 14-15 Nov. 1998.
7	M.M. Ghangrekar, U. J. Kahalekar, J. S. Sakle	‘Treatment of Sewage Using UASB Reactor and Granular Media Filtration’	Proceeding of National Seminar on ‘Recent Advances in Waste Management’ jointly organized by IAEM & BHU-Varanasi, Feb.23-25, 2001. 323-328
8	Ghangrekar M.M., Kahalekar U.J., Sakle J.J., S.V. Takalkar	Pilot-scale performance and economics of UASB reactor for sewage treatment	Proceedings of IAEM National conference on Pollution Prevention and Control in India, VRCE, Nagpur, March 2,3 2002.pp 17-19.
9	Akram Salim Pathan, U J Kahalekar	Benefit Cost Ratio of Water Supply System and Water Treatment Plant	National Conference on Recent Advancements & Innovations in Science & Engineering-2012 on 6-7 January 2012 at Guru Ram Dass Institute of Engineering & Technology, Lehra Bega, Bathinda (Punjab)
10	Sajedkhan S Pathan, U J Kahalekar	Optimal Design of Water Distribution Network by Using WATERGEMS	National Conference on Sustainable Technologies in Civil Engineering arranged by COET Akola and IWWA, Amravati Centre on 4/4/2015

11	U. J. Kahalekar, Ankita G. Prayag	‘Study and Assessment of Village Level Water Balance Calculation in Jal Yukta Shivar Program’	3 rd National Conference on “ Sustainable Water Resources Development and Management” SWARDAM 2016 – During 4-5 July 2016 at GEC, Aurangabad
12	Tornekar A A, U J Kahalekar	‘Effect of Various Climatological Parameters on Reference Evapotranspiration’	National Conference on ‘Environment Pollution Control and Management-EPCM 2019’ held on 1 and 2 March 2019 at College of Engineering, Pune.
13	Pratik Shendge, Nikhil Shrirame, U J Kahalekar	Reduction of Solid Waste to Support Solid Waste Management Rules 2016- Optimum Usage of Garden Waste	National Seminar on ‘Recent Acts of Waste Management in India’ arranged by Department of Civil Engineering, Ujjain Engineering College, Ujjain (MP) Sponsored by TEQIP III on 27-7-2019
14	Shiradhonkar. Mansi Umrikar, U J kahalekar	Reduction of Solid Waste to Support Solid Waste Management Rules 2016- Reduction of Paper Waste in Technical Institutes	National Seminar on ‘Recent Acts of Waste Management in India’ arranged by Department of Civil Engineering, Ujjain Engineering College, Ujjain (MP) Sponsored by TEQIP III on 27-7-2019

17. Details of Books / Chapters Published:

1. Proceeding of National Conference on “Sustainable Water Resources Development and Management” held on 30 September and 1 October 2013 at Govt. College of Engineering, Aurangabad. Proceeding is published by Excel India Publishers, ISBN 9789382880639.
2. Proceeding of National Conference on “Environment Pollution and Management-EPM 2011” held on 28 and 29 January 2011 at Govt. College of Engineering, Aurangabad. ISBN: 978-81-90495-8-8.
3. Proceeding of National Conference on “Sustainable Water Resources Development and Management” held on 13 and 14 June 2008 held at Govt. College of Engineering, Aurangabad. Proceeding is published by Excel India Publishers, ISBN 81-906351-5-6
4. Proceeding of Workshop on ‘Water Wisdom of Maharashtra’ held on 22 March 2009 at Govt. College of Engineering, Aurangabad.
5. Proceeding of National Seminar on “Improvement, Rehabilitation and Maintenance of Roads” sponsored by AICTE, New Delhi on 22 and 23 August 2003.
6. Proceeding of National Seminar on “Financing, Design, Construction and Operation of Highways” sponsored by AICTE, New Delhi on 7 and 8 February 2002.

18. Details of Patents / Copyrights / Designs applied/ awarded:

Office of Controller General of Patents Designs and Trademarks has accepted the Design of Solar lamp Tower and published the same, Journal No. 51/2015 dt.18-12-2015.

19. Other Major Activities conducted/ portfolio held with details and duration (Department Level, Institute Level, State Level, National Level, For the Society, for other Departments)

- Eight number of B.E.(Civil) students of batch 2016-17 submitted their project report on “Solid Waste Management-Saving of Paper, Water and Energy through Optimum Utilization of Journal Papers” under my guidance. With reference to this Project Report, Higher and Technical Education Department of Govt. Of Maharashtra has issued the Resolution No. Misc 111/(187/16)/TS2 dt. 24/11/2016. As per the Resolution, instructions were issued to all Universities, Technical and other institutes in Maharashtra state for optimum utilization of papers and using both sides of papers for submission and office works for saving of papers, water, energy and environment. Implementation of instructions is started in all educational institutes.
- Working as member of ‘Water Supply Expert Committee’ of Municipal Corporation, Aurangabad since 2011.
- Working as Member of City Level Advisory Forum for Smart City Mission of Municipal Corporation, Aurangabad.

- As per the order issued by Hon'ble High court, Bench Aurangabad worked as expert in case of PIL No. 96/2013. The report is submitted on 19/12/2019. The PIL is related with Road works in Aurangabad.
- As per the order issued by Hon'ble High court, Bench Aurangabad worked as expert in case of Writ Petition No. 8664/2017. I have submitted the report on 27/9/2018. The writ petition was related with civil construction works in Amalner, District.Jalgaon.
- In case of writ petition No. 6583 of 2016, worked as expert as per the order issued by Hon'ble High Court, Bench Aurangabad. The writ petition was related with construction of Roads in Ahmednagar. I have submitted the report on 20/10/2018.
- Nominated as member of Board of Studies of Civil Engineering by Dr.B.A.Marathwada University, Aurangabad
- Working as Dean (Students' Activities) since October 2019 in Institute.
- Working as Member of Finance Committee of institute.
- Working as member of Academic Council of institute.
- Working as Member Secretary of Grievance Redressal Committee, of Govt. Engineering College, Aurangabad.
- As per the guidelines issued by SPIU-TEQIP-III (Technical Education Quality Improvement Programme-III) working as Environment Management Framework (EMF) Coordinator of institute.
- Working as In-charge of Environmental Engineering Laboratory.
- Worked as Member of EVC committees constituted by AICTE for inspection of various Technical Institutes all over the India.
- Worked as Head of the Civil Engineering Department from 1-11-1996 to 26-1-2004 and 26-7-2005 to 31/7/2015 at Govt. Engineering College, Aurangabad
- Worked as Chancellor Nominee in 'Building and Works Committee' of Dr.B.A.Marathwada University, Aurangabad for the period of 2007 to 2012.
- Worked as member of Board of Management of Govt. College of Engineering, Aurangabad for the period of January 2012 to June 2016.
- Worked as Dean (Academics) in Govt. Engineering College, Aurangabad after receipt of autonomy to the institute in the 2006 to 2011.
- Worked as Dean (HR) during November 2016 to September 2019.
- Extended consultancy services in Civil and Environmental engineering field to various organizations viz. Municipal Corporations, CIDCO, MIDC, Zilla Parishads etc.
- Submitted Environmental Status Reports of Aurangabad City for the years 2006-2007 and 2009-2010.
- Worked as Joint Secretary of Aurangabad local chapter of Institution of Engineers India in years 1993 and 1998.
- Conducted Environmental Awareness Programme in the institute in the years 1998, 1999, 2000, 2001. These programmes were sponsored by Ministry of Environment and Forests, Govt. of India through BAIF Development Research Foundation, Pune.

20. Funded Research Project-

1. Ground Water Abstraction-Recuperation Test of the well. Project is sponsored by Garware Polyester Ltd., Waluj, Aurangabad. Report submitted in August 2018. Cost of the consultancy charges was Rs. 50000/-.
2. Worked as Co-Investigator for AICTE sponsored R & D project 'Development of Low Cost Treatment Method for Sewage'. The report was submitted in April 2002. Principal Investigator was Dr.M.M.Ghangrekar. AICTE File No. 8017/RD II/DEG/(664/98/99, Rs. 6 lakhs), Duration June 1999-March 2002.
3. Worked as Research Committee member for UGC Major Research Project 'Development of Knowledge Base for Design, Operation and Maintenance of Upflow Anaerobic Sludge Blanket (UASB) Reactor'. Principal Investigator was Dr. M.M.Ghangrekar. The report was submitted to UGC in April 2002. " (Ref.No. 14- 10/98(SR-I) dated. 17.3.1999 Cost Rs.3.64 lakhs)