

1. Details of the Teacher/ Academic:

Name:	Dr. SUSHMITHA BASKAR
Date of Birth	23.12.1972
Date of Joining in IGNOU:	11.10.2011
Current Designation:	ASSOCIATE PROFESSOR
Pay Scale as on date:	Level 13A; Basic 1,35,300
Highest Educational Qualifications & Discipline:	Ph.D. ENVIRONMENTAL SCIENCE ENVIRONMENTAL SCIENCE APPOINTED IN IGNOU FOR THE DISCIPLINE OF ENVIRONMENTAL STUDIES

2. Honour/Award/Fellowship/membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic:

Name of the recipient	Honour /Award/ Fellowship name/ membership of Professional body/ Statutory body	Agency name /Name of statutory body/ institution/ Apex body	Period
Dr. Sushmitha Baskar	Leading Ladies in The Earth Sciences in India	Book by Dr. Vikram Rai, Book Rivers Publishers, India	2023
Dr. Sushmitha Baskar	Honoured With A Grove Of 25 Trees At Trees for Tribals, Eastern Districts, Tamil Nadu, India. Certificate No: 3517524	STRAIVE, Singapore	2022
Dr. Sushmitha Baskar	University Silver Medal, IGNOU 2019 for 2 nd Best Research Paper. Awarded in 32 nd Convocation, April 3 rd 2019, IGNOU, New Delhi	IGNOU, New Delhi Indian Bank Sponsored	2019
Dr. Sushmitha Baskar	Certificate of Appreciation, GIFT Workshop, Geosciences Information for Teachers, 2019	European Geoscience Union	2019
Dr. Sushmitha Baskar	Memento of Honour and certificate, Felicitated, Section Earth System Sciences. Bacteria isolated from Caves: Potential to restore stone monuments.	Indian Science Congress, Lovely Professional University, Jalandhar. Jan 3 rd -7 th 2019.	2019
Dr. Sushmitha Baskar	Memento of Honour and certificate, Felicitated, Climate Change and Human Health, 2019.	Maharshi Dayanand University, Rohtak, Keynote Speaker.	2019
Dr. Sushmitha Baskar	Memento of Honour and certificate, Felicitated, Invited Speaker, 2018.	Gadjah Madah University, Yogyakarta, Indonesia.	2018
Dr. Sushmitha Baskar	Memento of Honour and certificate, Felicitated, Invited Talk, 2017. Leptothrix induced Iron biomineralization at Borra caves, India. 22 – 23 rd November 2017, National Conference on	Central University of Haryana, Mahendergarh, Haryana	2017

	Climate change and Sustainable clean environment.		
Dr. Sushmitha Baskar	Memento of Honour and certificate, Felicitated, Indian Science Congress, Invited Talk, 2017, Tirupati, Section Earth System Sciences. Biosignatures in Speleothems from Krem Syndai, Meghalaya.	Indian Science Congress, 3-7 th January 2017, SV University, Tirupati.	2017
Dr. Sushmitha Baskar	Memento of Honour and certificate, Felicitated, Invited Speaker, 2015. An overview of Cave biosignatures and their significance.	Mahidol University, Kanchanaburi, Thailand.	2015
Dr. Sushmitha Baskar	Life Member, Indian Science Congress Association, Calcutta	Life Member No: L21667	2013
Dr. Sushmitha Baskar	Life Member, AMI, Association of Microbiologists of India, New Delhi	Life Member No: 3928-2014	2014
Dr. Sushmitha Baskar	SOITS, IGNOU, School Board member	IGNOU, New Delhi	2016 - 2017
Dr. Sushmitha Baskar	Silver Medalist B.Sc.	Bharathiar University, Coimbatore	1993
Dr. Sushmitha Baskar	Gold medallist M.Sc.	Bharathiar University, Coimbatore	1995
Dr. Sushmitha Baskar	Jawaharlal Nehru Award for First Rank in M.Sc.	Jawaharlal Nehru Fund, New Delhi	1995
Dr. Sushmitha Baskar	CSIR-SRF	CSIR, New Delhi	1999-2002
Dr. Sushmitha Baskar	CSIR-RA	CSIR, New Delhi	2005-2008
Dr. Sushmitha Baskar	Swiss Embassy Fellowship ETH-Zurich, Switzerland.	Federal Commission for Scholarships, Switzerland	2002-2004
Dr. Sushmitha Baskar	SOITS, IGNOU, School Board member	IGNOU, New Delhi	2016 - 2017
Dr. Sushmitha Baskar	UGC Dr. DS Kothari Postdoctoral fellow	UGC, New Delhi	2008
Dr. Sushmitha Baskar	Indo-Norwegian Fellow, University of Bergen, Norway	Research Council, Norway	2008-2009
Dr. Sushmitha Baskar	Swedish Institute Fellowship, Stockholm University, Sweden,	Swedish Institute, Sweden	2009
Dr. Sushmitha Baskar	CSIR-SRA	CSIR, New Delhi	2010-2011

3. Books/Book Chapter:

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN No

S.No.	Name of Author1/ Editor 1, & Co- author (s) / Co-editor (s) (if any)	Title of chapter/book	Place of publication	Publisher	Year	Total Pages	ISBN No.
1.	Dr.Sushmitha Baskar and Dr.R.Baskar	ENVIRONMENTAL SCIENCES FOR ENGINEERING UNDERGRADUATES (First	New Delhi	Unicorn Publishers, Pustak Mahal.	2007	1 166	ISBN 978-81-7806-125-2

		Edition) (As per AICTE notified syllabus)					
2	Dr.Sushmitha Baskar and Dr.R.Baskar	ENVIRONMENTAL STUDIES FOR UNDERGRADUATES (First Edition) (As per UGC notified syllabus).	New Delhi	Unicorn Publishers, Pustak Mahal.	2007	363	ISBN 978-81-7806-132-0
3.	Dr.Sushmitha Baskar and Dr.R.Baskar	NATURAL DISASTERS (First Edition)	New Delhi	Unicorn Publishers, Pustak Mahal.	2009	159	ISBN 978-81-7806-168-9
4.	Lee, NM; Meisinger, DB; Aubrecht, R; Kovacic, L; Baskar, S; Baskar, R; Jimenez, CS; Porter, M and Engel, AS.	Life in Caves, Book chapter to "Life at Extremes", Edited by Bell, E.,	Wallingford	CABI Publishing.	2012	320-344	ISBN: 978-1-84593-814-7
5.	Baskar S and Baskar, R.	The Calcite Moonmilk controversy: A critical review. In: Calcite: Formation, Properties and Applications.	New York, USA	Nova Publishers.	2012	231-243	ISBN: 978-1-61470-782-0
6.	Baskar S, Baskar R, Tiwari V, Thorseth IH, Øvreas L, Lee NM and Routh J.	Cave geomicrobiology in India: Status and prospects, The Stromatolites: Interaction of microbes with sediments. Eds. Joseph Seckbach and Vinod Tewari. Cellular Origin, Life in Extreme Habitats and Astrobiology. Volume 18, Part 5.	Springer, Berlin	Springer Publication	2011	541-569	ISBN 978-94-007-0396-4 e-ISBN 978-94-007-0397-1
7.	Baskar S and Baskar R. 2015.	Speleothems from Krem Mawsmat, Meghalaya, India: Some biogenic evidences. In: Frontiers of Earth Science K.L. Shrivastava &	India	Scientific Publishers	2015	670 p	ISBN 978-81-7233-926-9.

		Pankaj Srivastava (Eds)					
8.	Baskar R and Baskar S. 2015.	Introducing Microbiology in the Indian Earth System Science Curriculum: A game changing decision. In: Frontiers of Earth Science K.L. Shrivastava & Pankaj Srivastava (Eds)	India	Scientific Publishers	2015	670 p	ISBN 978-81-7233-926-9
9.	Rupini B, Baskar S, Sahoo S, Kapur N, Eds.	Environmental and Ecological Sustainability. Edited Book.	New Delhi.	MPDD, IGNOU, New Delhi.	2018	448	ISBN: 9789387960947
10.	Rupini B, Baskar S, Sahoo S, Kapur N, Eds.	International Conference on Environmental and Ecological Sustainability. Abstract Book Volume Edited.	New Delhi.	MPDD, IGNOU, New Delhi.	2018	100	
11.	S Baskar and R Baskar	Microbial diversity in some Indian caves and biomineralization processes: A Summary. Environmental and Ecological Sustainability Edited by B. Rupini, Baskar S, Sahoo S and Kapoor N S.	New Delhi	MPDD, IGNOU	2018	448	ISBN: 9789387960947
12.	Baskar S and Baskar R.	Environmental assessment and planning In: Introduction to Environmental Sciences, Eds Khoiyangbam, R.S and Gupta, N.	New Delhi	The Energy and Resources Institute Publications (TERI)	2020	325-340	ISBN-13: 978-8179934555
13.	Joshi, S.R and Baskar S.	Factors Affecting Biomineralization . In: Berenjian, A., Seifan, M. (eds) Mineral Formation by Microorganisms. Microbiology Monographs	Springer Nature, Switzerland	Springer Nature, Switzerland, Cham.	2022	vol 36. 283-314.	Online ISBN: 978-3-030-80807-5; Print ISBN: 978-3-030-80806-8.
14.	Baskar S, Baskar R.	Cave Ecosystems: Sites For Potential	National Cave	National Cave	2022	115-132	ISBN:

		Biogenic Signatures In: Cave Science Insights from the Indian Subcontinent. 1 st Edition Eds J. Biswas.	Science Protection on Organization, India.	Science Protection Organization, India.			9788193942307
15.	Joshi, S.R and Baskar S.	Factors Affecting Biomineralization . In: Berenjian, A., Seifan, M. (eds) Mineral Formation by Microorganisms.	Microbiology Monographs, vol 36. 283-314 https://doi.org/10.1007/978-3-030-80807-5_8 .	Springer Nature, Switzerland	2022	283-314	Online ISBN978-3-030-80807-5; Print ISBN978-3-030-80806-8.
16.	Abirami Subramanian and Sushmitha Baskar.	Changing Climate: Threat to Human Health. In Eds. P.A. Azeez Salim Ali, P.P. Nikhil Raj, R. Mohanraj. Ecological and Evolutionary Perspectives on Infections and Morbidity.	Ecological and Evolutionary Perspectives on Infections and Morbidity.	IGI Global publishers , Pennsylvania, USA.	2023		LCCN 2021054729 (print) LCCN 2021054730 (ebook) ISBN 9781799894148 (h/c) ISBN 9781799894155 (s/c) ISBN 9781799894162 (ebook).
17.	Abirami Subramanian and Sushmitha Baskar.	Bioremediation methods for Environmental Sustainability. In Eds. Sharma B, Sundriyal M, Sharma H and Saini D.	Sustainability through environmental management practices.	ABS books, India.	2024		ISBN 9788119708123.
	IGNOU Units – Book Chapters						
18.	Dr. Sushmitha Baskar and Dr. B. Rupini	BHM-101 Fundamentals: Environment and Health, health Care, waste management regulations, Certificate in Health care waste management, IGNOU 2018, Block 1, Understanding	New Delhi	IGNOU New Delhi	2018	23 – 44	ISBN: 978-93-87960-08.

		our environment, Unit 2, Ecosystem.					
18.	Dr. Sushmitha Baskar	BHM-101 Fundamentals: Environment and Health, health Care, waste management regulations, Certificate in Health care waste management, IGNOU 2018, Block 1, Understanding our environment, Environmental pollutants and pollution: Solid waste and radiation, Unit 4,	New Delhi	IGNOU New Delhi	2018	47 – 74	ISBN: 978-93-87960-08.
19.	Dr. B. Rupini, Dr. Sushmitha Baskar and Prof. Ruchika Kuba	Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), Programme Guide, IGNOU 2019.	New Delhi	IGNOU New Delhi	2019	-	-
20.	Dr. Sushmitha Baskar	MEV-001 Introduction to Environmental Health, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 1, ENVIRONMENT AND ECOLOGY, Unit 2 Ecosystem	New Delhi	IGNOU New Delhi	2019	19 – 36	ISBN: 987-93-88498-78-4.
21.	Dr. Sushmitha Baskar	MEV-001 Introduction to Environmental Health, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 2, AIR, WATER AND SOIL POLLUTION,	New Delhi	IGNOU New Delhi	2019	66 – 78	ISBN: 987-93-88498-79-1.

		Unit 4, Soil Pollution,					
22.	Dr. Sushmitha Baskar	MEV-001 Introduction to Environmental Health, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 3, NOISE, RADIATION, SOLID WASTE, ELECTRONIC WASTE POLLUTION, Unit 1, Noise Pollution	New Delhi	IGNOU New Delhi	2019	5 – 16	ISBN: 987-93-88498-80-7.
23.	Dr. Sushmitha Baskar	MEV-002 Environmental and Occupational Hazards, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 1, NATURAL HAZARDS, UNIT 1 Introduction to Natural Hazards and Disaster	New Delhi	IGNOU New Delhi	2019	5 – 20	ISBN: 987-93-88498-82-1.
24.	Dr. Sushmitha Baskar	MEV-003 Environmental Law and Management, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 2, AWARENESS, RESPONSIBILITY AND COMPLIANCE, UNIT 3 Biosafety	New Delhi	IGNOU New Delhi	2019	29 – 45	ISBN: 987-93-88498-86-9.
25.	Dr. Sushmitha Baskar	MEV-004 Environmental Toxicology, Post Graduate Diploma in Environmental and Occupational	New Delhi	IGNOU New Delhi	2019	5 -19	ISBN: 987-88-88498-87-6.

		Health (PGDEOH), IGNOU 2019. Block 1, UNIT 1, Introduction to Toxicants					
26.	Dr. Sushmitha Baskar	MEV-004 Environmental Toxicology, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 4, ENVIRONMENTAL CYTOTOXICITY AND GENOTOXICITY, UNIT 3, Teratogenesis	New Delhi	IGNOU New Delhi	2019		ISBN: 987-88- 88498-90-6.
27.	Dr. Sushmitha Baskar	MEVE-001 Environmental Impact Assessment for Environmental Health Analysis, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 1, INTRODUCTION TO ENVIRONMENTAL IMPACT ASSESSMENT, UNIT 4 Comprehensive Environmental Impact Studies	New Delhi	IGNOU New Delhi	2019	47 – 61	ISBN: 987-93- 88980-00-5.
28.	Dr. Sushmitha Baskar	MEVE-004 Industrial Sector, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 1, INDUSTRIAL POLLUTION: TEXTILE, MINING,	New Delhi	IGNOU New Delhi	2019	5 – 19	ISBN: 987-93- 88980-08-1.

		PESTICIDE AND TANNING INDUSTRIES, Unit 1 Textile industry					
29.	Dr. Sushmitha Baskar	MEVE-004 Industrial Sector, Post Graduate Diploma in Environmental and Occupational Health (PGDEOH), IGNOU 2019. Block 1, INDUSTRIAL POLLUTION: TEXTILE, MINING, PESTICIDE AND TANNING INDUSTRIES, Unit 4 Tanning industry	New Delhi	IGNOU New Delhi	2019	51 – 67	ISBN: 987-93-88980-08-1.
30.	Dr. Sushmitha Baskar	MEVP - 001 Project Work. Handbook on Project Work for Post Graduate Diploma in Environmental and Occupational Health (PGDEOH). Post Graduate Diploma in Environmental and Occupational Health (PGDEOH)	New Delhi	IGNOU New Delhi	2019	-	-
31.	Dr. Sushmitha Baskar	Unit-4 Climate Change and Human Health Course MEV- 025 for PG Certificate in Climate Change, SOITS, IGNOU.	New Delhi	IGNOU New Delhi	2020		http://egyankosh.ac.in/handle/123456789/53850
32.	Dr. Sushmitha Baskar	Concepts, types and challenges of disasters, Course MEVE- 015 for MSc Environmental Science, SOITS, IGNOU.	New Delhi	IGNOU New Delhi	2021		ISBN: 9789391229214
33.	Dr. Sushmitha Baskar	Introduction to Natural Hazards for Course MEV-012, MSCENV,	New Delhi	IGNOU New Delhi	2021		ISBN: 9789390773701

		SOITS, IGNOU.					
34.	Dr. Sushmitha Baskar	Unit-2 Introduction to Eco-toxicology MEV-018 for MSc Environmental Science, SOITS, IGNOU.	New Delhi	IGNOU New Delhi	2022		http://egyankosh.ac.in/handle/123456789/86411
35.	Dr. Sushmitha Baskar	Unit-2 Introduction to Environmental Health MEV-018 for MSc Environmental Science, SOITS, IGNOU.	New Delhi	IGNOU New Delhi	2022		http://egyankosh.ac.in/handle/123456789/86410
36.	Dr. Sushmitha Baskar	Unit-12 Human Health MEVE-011 for MSc Environmental Science, SOITS, IGNOU.	New Delhi	IGNOU New Delhi	2022		http://egyankosh.ac.in/handle/123456789/83552
37.	Dr. Sushmitha Baskar	Block 2: Bacteria and Viruses Unit: 4 Eubacteria For BBCET-143 Basic Microbiology BSc (Hons) Biochemistry	New Delhi	IGNOU New Delhi	2023		April 2023 ISBN: 9789355688583
38.	Dr. Sushmitha Baskar	Block 2: Bacteria and Viruses Unit: Archaeobacteria and Unusual bacteria For BBCET-143 Basic Microbiology BSc (Hons) Biochemistry	New Delhi	IGNOU New Delhi	2023		April 2023 ISBN: 9789355688583

4. Research Articles/Publications:

S.No.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
	Abirami Subramanian, Sushmitha Baskar & Krishna Kadirvelu	Lab scale evaluation of biomineralization- assisted decolourization of reactive blue 4 and	Bioremediation Journal,			2024	

		toxicity analysis,					
	Abirami Subramanian and Sushmitha Baskar.	Microbial resilience to climate extremes: A short review.	Kahaar, Lucknow, India,	11 (1),	34 – 38.	2024	2394-3912; ISSN: 2395-9369.
	Ramanathan Baskar, Surya Parkash, Shubham Badola, Sushmitha Baskar, Kakoli Gogoi.	Celebration of the Earth Day 2024 – A Report.	Journal Geological Society of India, Springer Nature.			2024	
	Subramanian Abirami, Krishna Kadirvelu & Sushmitha Baskar	Trace Metal Based Eco-Biological and Health Risk Status of Surface Water and Sediments of Noyyal River Basin, Tamil Nadu, India,	Soil and Sediment Contamination: An International Journal, Taylor & Francis, London..	33, Issue 7	799 - 828.	2023	
	Abirami Subramanian & Sushmitha Baskar. 2022.	Water quality assessment of Noyyal river using water quality index (WQI) and multivariate statistical techniques.	Water Science, Taylor & Francis, London.	36 (1)	85-98.	2022	ISSN: 23570008, 11104929,
1.	Sushmitha Baskar & Ramanathan Baskar.	Studies on Geomicrobiology in some Indian Caves.	Journal Geological Society of India. Springer.	98	1380-1384.	2022	ISSN 0974-6889.
2.	Sushmitha Baskar R. Kuba, B. Rupini.	Relevance of Virtual Counselling in Distance Education - A Pilot Study of Post Graduate Diploma in Environmental and Occupational Health Programme of IGNOU.	Indian Journal of Open Learning.	32 (1).		2023.	
3.	Sushmitha Baskar.	Needs Assessment Study for a Distance learning certificate programme in Geomicrobiology.	Indian Journal of Open Learning.	31 (2)	199-222.	2022	
1.	Mudgil D, Dhiraj P, Baskar S, Baskar R, Shouche YS.	Cultivable microbial diversity in speleothems using MALDI-TOF spectrometry and DNA sequencing from Krem Soitan, Krem Lawbah, Krem Mawpun, Khasi Hills, Meghalaya, India.	Archives of Microbiology, Springer-Nature Publications	204	495	2022	ISSN: 0302-8933
2.	Raut SC, Kuba R, Baskar S.	Musculoskeletal Disorders among Group-D Staff in Government Aided Hospitals in Aurangabad City, Maharashtra	Int J Preven Curat Comm Med.	7(4)	1-7.	2021	E-ISSN: 2454-325X
3.	Sushmitha Baskar, Siddharth Baskar.	Linkages between Environment and Human Rights.	International Journal of All Research Education and Scientific Methods	10 (1)	1011 – 1014.	2022	ISSN: 2455-6211

			(IJARESM)				
4.	Vinay Kalal, Manjeet N. Giri, Sushmitha Baskar and Ruchika Kuba.	Detection of pollutants present in the surface water of Ayad river, Udaipur, Rajasthan.	International Journal of Biological Innovations.	3(1):	212-220,	2021	E-ISSN: 2582-1032.
5.	Jain M and Baskar S.	Awareness generation among the masses through community participation: case study of Nizampur village, Mewat area.	International Journal of Environment and Health Sciences (IJEHS)	3 (3)	1-5	2021	ISSN No: 2582-5283
6.	Kalgi Shah, Sushmitha Baskar and Ruchika Kuba.	Impacts of work from home model on human health.	International Journal of Environment and Health Sciences (IJEHS)	3 (1)	35-44	2021	ISSN No: 2582-5283
7.	Abirami Subramanian and Sushmitha Baskar.	Geomicrobiology: An emerging science and way out to environmental and health problems.	International Journal of Environment and Health Sciences (IJEHS)	3 (1)	10-15	2021	ISSN No: 2582-5283
8.	Mudgil D, Baskar S, Baskar R, Paul D and Shouche YS.	Biomining potential of Bacillus subtilis, Rummeliibacillus stabekisii and Staphylococcus epidermidis strains in vitro isolated from speleothems, Khasi hill caves, Meghalaya, India.	Geomicrobiology Journal, Taylor and Francis Publication. Philadelphia, PA	35 (8)	675-694.	2018	Print ISSN: 0149-0451 Online ISSN: 1521-0529
9.	Baskar S, Chalia S, and Baskar R.	Calcite precipitation by Rhodococcus sp. isolated from Kotumsar cave, Chattisgarh, India.	Current Science. Indian Science Academy Bangalore	114, (5)	1063-1074.	2018	ISSN 0011-3891
10	Baskar S, Chalia S, and Baskar R	Microbes Identified from Some Caves in Chattisgarh And Their Biocalcifying Abilities.	Ambient Science, published by National cave research and protection organization, India.	4 (2)	38-39.	2017	ISSN- 2348 5191 (Print) & 2348 8980 (Electronic).
11	Chalia S, Baskar S, Prasad M, Baskar R and Ranjan K	Biomining abilities of Cupriavidus strain and Bacillus subtilis strains in vitro isolated from speleothems, Rani cave, Chattisgarh, India.	Geomicrobiology Journal, Taylor and Francis Publication. Philadelphia, PA	34, (9)	737-752.	2017	Print ISSN: 0149-0451 Online ISSN: 1521-0529
12	Baskar S, Routh J, Baskar R, Kumar A, Miettinen H and Itävaara M.	Evidences for microbial precipitation of calcite in speleothems from Krem Syndai in Jaintia Hills, Meghalaya, India: Geobiological significance.	Geomicrobiology Journal, Taylor and Francis Publication. Philadelphia, PA	33, (10)	906 – 933.	2016	Print ISSN: 0149-0451 Online ISSN: 1521-0529
13	Rupini B, Rao AM, Baskar S.	Skill development in Environmental Sector through Open and Distance Learning using Information & Communication Technologies	International Journal of Multidisciplinary Educational Research. India	5, (4)	87-98.	2016	ISSN: 2277-7881.

14	Baskar, S; Baskar, R.	Cave Biosignatures on Earth: Implications for Extraterrestrial life.	Planex Newsletter, Physical Research Laboratory (PRL) Newsletter, PLANEX, India	5, (3)	16-20	2015	ISSN: 2320-7108
15	Baskar S, Baskar R and Routh J.	Speleothems from Sahastradhara caves in Siwalik Himalaya, India: Possible biogenic inputs.	Geomicrobiology Journal, Taylor and Francis Publication Philadelphia, PA	31, (8)	664-81.	2014	Print ISSN: 0149-0451 Online ISSN: 1521-0529
16	Baskar S and Baskar R.	A summary of some microbes identified from different Indian caves and their possible role in mineral formation.	Ambient Science, published by National cave research and protection organization, India.	1 (2)	9-16.	2014	ISSN- 2348 5191 (Print) & 2348 8980 (Electronic)
17	Baskar S, Baskar R, Thorseth IH, Øvreas L, Pedersen RB.	Microbial iron precipitation associated with a neutrophilic spring of Borra caves, Vishakapatnam, India.	Astrobiology Journal, Mary Ann Liebert Publication. Astrobiology. New Rochelle, NY.	12, (4)	327-346.	2012	ISSN: 1531-1074
18	Baskar, R and Baskar S	"L'Aquila Earthquake prediction judgment: An Eye Opener".	Current Science. Indian Science Academy Bangalore	104, (8)	1003-4.	2013	ISSN 0011-3891
19	Baskar S, Baskar R and Routh. J	Biogenic Evidences of Moonmilk deposits in the Krem Mawmluh Cave, Meghalaya, India.	Geomicrobiology Journal, Taylor and Francis Publication. Philadelphia, PA	28, (3)	252-265	2011	Print ISSN: 0149-0451 Online ISSN: 1521-0529
20	Baskar S, Baskar R and Barton HA	Cave Geomicrobiology as a thrust area of research in the Indian context.	Current Science. Indian Science Academy Bangalore	97, (5)	621-622.	2009	ISSN 0011-3891
21	Baskar S and Baskar R.	Geobiology and Geomicrobiology: Importance and need for studies in the Indian context,	Current Science. Indian Science Academy Bangalore	96, (1)	200-201.	2009	ISSN 0011-3891
22	Baskar S, Baskar R, Lee N, Kaushik A and Theophilus P.K.	Precipitation of iron in the microbial mats of the spring waters of Borra Caves, Vishakapatnam, India: Some geomicrobiological aspects.	Environmental Geology, Springer Publication	56, (2)	237-243.	2008	ISSN: 0943-0105 (Print)
23	Baskar S, Baskar R, Lee N and Theophilus P.K.	Speleothem formations of Mawma caves and Krem Phyllut caves, Meghalaya, India: Some evidences for biogenic activities.	Environmental Geology, Springer Publication	57, (5)	1169-1186.	2009	ISSN: 0943-0105 (Print)
24	Baskar S., Baskar R., Kaushik A.	Evidences for microbial involvement in the genesis of speleothem carbonates, Borra Caves, Vishakapatnam, India	Current Science. Indian Science Academy Bangalore	92, (3)	350 – 355	2007	ISSN 0011-3891
25	Baskar S, Baskar R, Mauclaire L and McKenzie J.A	Microbially induced Calcite precipitation by culture experiments – Possible origin for Stalactites in	Current Science. Indian Science Academy Bangalore	90, (1)	58 – 64.	2006	ISSN 0011-3891

		Sahastradhara, Dehradun, India.					
26	Baskar S., Baskar R., Mauclaire L. and McKenzie J.A.	Role of microbial community in stalactite formation, Sahastradhara caves, Dehradun, India.	Current Science. Indian Science Academy Bangalore	88, (8)	1305- 1308.	2005	ISSN 0011- 3891
27	Baskar S, Baskar R and Kaushik A	Role of Microorganisms in weathering of the Konkan-Goa laterite formations.	Current Science. Indian Science Academy Bangalore	85	1129- 1134.	2003	ISSN 0011- 3891
28	Baskar S, Baskar. R. and Kaushik. A.	Mineralogical variations in the Konkan-Goa Laterites.	Journal of Indian Association of Sedimentologists, Published by the Indian Association of Sedimentologists. India	21 (1),	31-37.	2002	ISSN 0970 - 3268
29	Baskar S, Baskar. R. and Kaushik. A.	Geochemical behaviour of major and trace elements in laterites from Konkan-Goa coastal Belts, India.	Journal of Applied Geochemistry Publisher: Indian Society of Applied Geochemists India	4, 2B,	475- 486.	2002	Print ISSN: 0972-1967
30	Baskar S and Usha Rani M.V.	Genotoxic effects of untreated and treated paper mill effluents on the somatic cells of <i>Allium cepa</i> L.	Pollution Research, EM International India	21 (4),	469- 472.	2002	ISSN: 0257-8050
31	Baskar S and Usha Rani M.V.	Cytogenetic and biochemical effects of untreated and treated paper mill effluents on the somatic cells of <i>Allium cepa</i> L.	Pollution Research, EM International India	21 (4),	473- 477.	2002	ISSN: 0257-8050
	ARTICLES:						
32	Baskar, S; Baskar, R and Dharamvir	Why should we observe World Wetland Day?	Haryana Review. Edited and published for Govt of Haryana by the Dept of Information, Public relations and Cultural affairs, issued from Samvad.	2	48-49	2013	-
33	Baskar S, Baskar R and Dharamvir	Forests, pieces of heaven on earth.	Haryana Review. Edited and published for Govt of Haryana by the Dept of Information, Public relations and Cultural affairs, issued from Samvad.	26(3)	30-31	2012	-
34	Baskar S, Baskar R and Dharamvir	Festival of colours. Let's have an eco- friendly holi.	Haryana Review. Edited and published for Govt of Haryana by the Dept of Information, Public relations and Cultural affairs, issued from Samvad.	26 (3)	32	2012	-
35	Baskar S. 2018.	Polypeptides from Neem Antimicrobial and anticancer potential	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	115 (2)	196	2018	ISSN: 0011-3891
36	Baskar S. 2018.	Particulate Matter Pollution Source profiles	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	114 (12)	2420	2018	ISSN: 0011-3891
37	Baskar S. 2018.	Rutin from Sweet	Science Last Fortnight.	115, (3)	373-	2018	ISSN:

		Orange Anti-biofilm potential.	Current Science. Indian Academy of Sciences. India.		374		0011-3891
38	Baskar S. 2018.	Electro-Bio-Stimulation Restoring soils with textile dyes	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	114 (10)	2010	2018	ISSN: 0011-3891
39	Baskar S. 2018.	Managing Municipal Solid Waste Sustainable solutions?	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	115 (5)	813-814	2018	ISSN: 0011-3891
40	Baskar S. 2018.	Additives in Composting Minerals in medical stone	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	115 (7)	1239-1240	2018	ISSN: 0011-3891
41	Baskar S. 2018.	Biodegradation of Azo Dyes K. pneumoniae for biotreatment	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	114 (11)	2225	2018	ISSN: 0011-3891
42	Baskar S. 2018.	Baskar S. 2018. PAHs in Indian Food Causing cancer?	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	115 (1)	12-13	2018	ISSN: 0011-3891
43	Baskar S. 2018.	Geopolymer Concrete Blast furnace slag and rice husk ash	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	115 (12)	2192-2193	2018	ISSN: 0011-3891
44	Baskar S. 2018.	Degrading Paper Mill Sludge Fungi and earthworms as bioagents		115 (9)	1626	2018	ISSN: 0011-3891
45	Baskar S. 2018.	Deinked Paper Mill Sludge Bricks from waste	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	115 (11)	2010	2018	ISSN: 0011-3891
46	Baskar S. 2018.	Natural Hazards Economic impacts	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	116 (3)	349	2018	ISSN: 0011-3891
47	Baskar S. 2019.	Cleaning Toxic Pollutants Bacillus firmus rescues	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	116 (4)	515	2019	ISSN: 0011-3891
48	Baskar S. 2019.	Tannery-sludge Contamination Geranium cultivars remediate	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	116 (10)	1621-22	2019	ISSN: 0011-3891
49	Baskar S. 2019.	Treating Textile Waste Bacteria on jackfruit seeds.	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	117 (8)	1265	2019	ISSN: 0011-3891
50	Baskar S. 2020.	Municipal Landfill Leachate Treating with garbage enzyme	Science Last Fortnight. Current Science. Indian Academy of Sciences.	118 (3)	333	2020	ISSN: 0011-3891

			India.				
51	Baskar S. 2020.	Mercury contaminated sites. Phytoremediation by Indian mustard'	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	119 (1)	10-11	2020	ISSN: 0011-3891
52	Baskar S. 2020.	Toxicants in rural households': Indoor air quality	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	119 (3)	429	2020	ISSN: 0011-3891
53	Baskar S. 2020.	Vitamin D Deficiency: Urban South India'	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	119 (4)	587	2020	ISSN: 0011-3891
54	Baskar S. 2020.	Occupational hazards Heat stress and kidney stones'	Science Last Fortnight. Current Science. Indian Academy of Sciences. India.	119 (2)	169	2020	ISSN: 0011-3891

5. Policy Documents Reports/ Mimeos: NIL

SNo.	Title	Institution/ Agency	Year
1.	NIL		

6. MOOCs/ eSLMs/ eModules developed:

SNo.	Author/ Co-author (if any)	Title	Credits	Level	Host Portal: (SWAYAM/ NPTEL/ NMEICT/ ePG Pathshala/ Any Other)	Year	Weblink
1.	Baskar S Six Audio-video lectures given, Self-assessment questions, Text.	Sustainable Management of Biodiversity 1. Introduction to Wetland Biodiversity 2. Biodiversity in Wetland Ecosystem 3. Biodiversity in Tropical Forests 4. Introduction to Forest	4	PG	SWAYAM IGNOU	2015-2016	https://onlinecourses.swayam2.ac.in/nou22_bt04/preview

		Biodiversity 5. Biodiversity in Subtropical and Temperate Forests National Biodiversity Act, 2002					
	Baskar S	Environmental Geology. 1. Volcanoes. Module 5. 2. Earthquakes. Module 4. 3. Deserts and Desertification Module 9. 4. Natural Hazards and Disasters. Module 38.	4	PG	UGC, E-pathshala	2018-2019	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=0Xvq9yUM2ILDrJ07FvIArQ== https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=0Xvq9yUM2ILDrJ07FvIArQ== https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=0Xvq9yUM2ILDrJ07FvIArQ== https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=0Xvq9yUM2ILDrJ07FvIArQ==
	Baskar S	Water Pollution: Causes, effects and measures to control	4	PG	ARPIT SWAYAM AMU, Aligarh	2018 - 2019	https://www.youtube.com/watch?v=B6WckAdLLoM&t=57s
	Baskar S	Restriction of Noise Pollution: Causes, effects and measures to control	4	PG	ARPIT SWAYAM AMU, Aligarh	2018 - 2019	https://www.youtube.com/watch?v=tJz_NkMThJQ
	Baskar S	An Overview of Green Biotechnologies	4	PG	ARPIT SWAYAM, MLSU Udaipur	2019	https://www.youtube.com/watch?v=xaQ54ctgOlc
	Baskar S	Green Biotechnologies for Environmental Management and Sustainable Agriculture	4	PG	ARPIT SWAYAM, MLSU Udaipur	2019	https://www.youtube.com/watch?v=Efa6M3Dc-18&t=43s
	Baskar S	Digital Learning Environment Content Presenter and Content Writer	4	PG	ARPIT SWAYAM, GJUST Hisar	2018 - 2019	https://www.youtube.com/watch?v=NUi7cudfq0Q&t=62s
	Baskar S	Green Biotechnologi	4	PG	ARPIT SWAYAM	2019	https://www.youtube.com/watch?v=Kc8qIJyvwzY&t=48s

		es for Environmental Management and Bioremediation			M, MLSU Udaipur		
1.	Dr. Sushmitha Baskar; Prof. B. Rupini	MEV-002 Environmental and Occupational Hazards	4	PG	SWAYAM , IGNOU	2021	https://onlinecourses.swayam2.ac.in/nou22_bt05/preview
2.	Prof. B. Rupini; Dr. Sushmitha Baskar	MEVE-001 Environmental Impact Assessment for Environmental Health	4	PG	SWAYAM , IGNOU	2021	https://onlinecourses.swayam2.ac.in/nou22_bt06/preview
3.	Prof. B. Rupini; Dr. Sushmitha Baskar	PGDEOHOL	32	PG	IGNOU ONLINE PROGRAM (IOP)	2022	https://iop.ignouonline.ac.in/programme/p23

7. Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops (Please do not mention if it is only participation without presentation)

SNo.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year
1.	Saroja S, Baskar S and Baskar R (2015).	Calcite precipitating bacteria from caves in Chattisgarh.	Jawaharlal Nehru University, New Delhi.	56th International Annual Conference of The Association of microbiologists of India (AMI-2015)	Delhi.	7th – 10th December, 2015
2.	Baskar S and Baskar R (2015)	A comparison of the different sample preparation techniques used in SEM: A case study of iron mats in Borra caves.	Jawaharlal Nehru University, New Delhi.	56th International Annual Conference of The Association of microbiologists of India (AMI-2015)	Delhi.	7th – 10th December, 2015
3.	Baskar S and Baskar R (2016).	Moonmilk deposits at Krem Mawmluh and Sahastradhara cave, India: An	University of Mysore, Karnataka.	Indian Science Congress	Mysore	3-7th January 2016

		Overview.				
4.	Baskar S, Baskar R and Biswas P.K. (2017).	Geomicrobiology programmes through Open Distance e-Learning: Potential for employment.	IGNOU	International Seminar on Skill Development through ODeL: Innovations, Entrepreneurship, Employment for Inclusive and Sustainable Livelihoods.	New Delhi	March 09-11, 2017,
5.	Baskar S and Baskar R (2017).	Biosignatures from Borra Caves, India.	AMU, Aligarh	National Seminar on Recent advances and challenges in Geochemistry, Environmental and Sedimentary geology,	Aligarh	27th February 2017
6.	Baskar S and Baskar R (2017).	Biocalcification abilities of microorganisms identified from some caves in Meghalaya: Potential for Eco-restorative applications.	University of Delhi	National Conference on Environmental Sustainability in Wastewater Remediation: Current Status and Future Prospects,	Delhi	19th-20th January 2017
7.	Baskar S and Baskar R (2017).	Biosignatures in Speleothems from Krem Syndai, Meghalaya.	SV University, Tirupati.	Indian Science Congress	Tirupati	3-7th January 2017
8.	Baskar S, Saroha S and Baskar R (2016).	Calcite biomineralization by Cupriavidus sp. isolated from Rani cave, Chattisgarh.	Guwahati University, Guwahati.	Annual Conference of The Association of microbiologists of India (AMI-2016)	Guwahati.	24th – 27th November 2016
9.	Baskar S and Baskar R (2018).	Scientific criteria to differentiate biological and non-biological mineralized structures: Some studies from the Indian caves.	Manipur University, Imphal.	Indian Science Congress	Imphal	16 th -20 th March 2018,
10	Baskar S	“Ecorestoration	Department of	National Seminar	Mysore	29-30

	and Baskar R (2018).	potential of microbes isolated from some Indian caves”,	Studies in Earth Science, University of Mysore, Mysore, Karnataka,	on “Challenges and Opportunities in Earth Science Education and Research”,		January 2018.
11	Baskar S and Baskar R. (2017).	Leptothrix induced Iron biomineralization at Borra caves, India.	Central University of Haryana, Mahendergarh, Haryana.	National Conference on Climate change and Sustainable clean environment	Haryana	22 – 23 rd November 2017
12	Baskar S and Baskar R (2020).	Evidence of biologically influenced speleothems in some Indian caves in Jaintia and Garo hills, Meghalaya,	UAS, Bangalore.	Indian Science Congress	Bangalore	3 rd -7 th January 2020
13	Baskar S 2017.	Environmental Issues	Amity Institute of Toxicology, Amity Institute of Environmental Sciences, Amity University, Noida	Ozone day and World Environmental Health day	Noida	25th September 2017.
14	Baskar S 2019.	Environmental concerns.	Tirupur Kumaran College for Women, Tirupur.	National Seminar on Environmental Concerns	Tirupur	August 16th 2019.
15	Baskar S 2019.	Environmental concerns.	Ratnam College of Arts and Science, Coimbatore	National Seminar on Environment	Coimbatore	July 19th 2019.
16	Baskar S 2019.	Geomicrobiology: A frontier area of research.	DIPSAR, New Delhi	TEQIP workshop	Delhi	10th April 2019.
17	Baskar S 2020	Environmental Issues. Eminent Speaker and Chair:	Zakir Husain Delhi College, University of Delhi,	National Seminar	Delhi	21 st – 22 nd Jan 2020.
18	Baskar, S. 2019.	Environmental Problems. Panelist	Shaheed Bhagat Singh College,	National Seminar on Spatial Dimensions of	Delhi	Sept 3-4 th 2019.

			University of Delhi.	Environmental Problems and Natural resource law.		
19	Baskar, S. 2019.	Climate and Health Invited speaker and Chair	MDU Rohtak, Haryana,	National Conference on Global Climate Change: Concerns and Solutions,	Rohtak	February 15 - 16th 2019.
20	Abirami S. and Sushmitha Baskar	Geomicrobiology: An Emerging Science and Way out to Environmental and Health Problems	STE, Kolkatta	National Conference Virtual conference on emerging trends to heal the earth and environment	Kolkatta	18.9.2021
21	Monika Jain and Sushmitha Baskar	Awareness generation among the masses through community participation	STE, Kolkatta	National Conference Virtual conference on emerging trends to heal the earth and environment	Kolkatta	18.9.2021

8. Consultancy assignment (if any):

SNo.	Organization/ agency	Cost, title of consultancy	Duration
	NIL	NIL	NIL

9. Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing):

SNo.	Agency	Amount	Duration with dates	Status i.e. ongoing/ completed
	NIL	NIL	NIL	NIL

10. Details of PhD and MPhil Scholars (including those awarded degree):

SNo.	Name and enrolment no:	Year of registration	Year of completion/ award
1.	Swati Chalia 12049005	2012	2018
2.	Devender Mudgil 12049004	2012	2019
3.	Monika Jain 198570105	2019	2024

4	Abirami. S. 198570334	2019	2023
5	Chandni N.P.	2022	Ongoing

11. Details of Programmes/ Courses coordinated/ written/ edited/ translated if applicable):

S No.	Programme	Course	Unit (print)/ Audio/Video/ eSLM	Coordinated/Written/ Edited (content/ language/ format)/ Translated	Period
1.	PGDEOH	-	-	Entire Programme Coordinated	2019 - Present
2.	PGDEOH	MEV-002	-	Coordinated	2019 - Present
3.	PGDEOH	MEV-004	-	Coordinated	2019 - Present
4.	PGDEOH	MEVP-01	-	Coordinated	2019 - Present
5.	MSCENV	MEV-012	-	Coordinated	2021 - Present
6.	MSCENV	MEVE-015	-	Coordinated	2021 - Present
7.	MSCENV	MEVE-017	-	Coordinated	2021 - Present
8.	PHDEV	REV-001	-	Coordinated	2018 - Present
9.	PHDEV	REVE-004	-	Coordinated	2018 - Present
10	PGDEOHOL	-	-	Entire Programme Coordinated	2022 - Present
11	MOOC Programme	MEV-002	-	Coordinated	2022 - Present
12	MOOC Programme	MEVE-001	-	Coordinated	2022 - Present
13	MAEOH	-	-	Entire Programme Coordinated	2022 - Present
14	PGDEML	-	-	Entire Programme Coordinated	2023 - Present

12. Training programmes designed and conducted, duration and dates

S.No.	Programme	Dates	Place	Number of Participants
	NIL	NIL	NIL	NIL

13. Details of Counselling sessions conducted:

SNo.	Programme	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling Teleconferencing Web conferencing Any Other)
1.	ACPSD	ACPSD	EMPC, IGNOU	June 28th, 2017.	1 hour	Population and Sustainable development: Programs and policies. Radio Counseling, 12 – 1PM
2.	PGDEOH	MEV-004	EMPC, IGNOU	20th August 2018	30 minutes	Teleconference, Environmental Toxicants: Teratogens, 4 – 4.30 PM.

3	PGDEOH	MEV-004	EMPC, IGNOU	July 15th 2018	30 minutes	Teleconference, Environmental Toxicants: Carcinogens, 4.30 to 5 PM.
4	PGDEOH	MEV-004	EMPC, IGNOU	10th October 2018	30 minutes	Teleconference, Environmental Toxicants: Mutations and Mutagens, 4 – 4.30 PM.
5	PGDEOH	MEV-001	EMPC, IGNOU	February 14th 2018.	30 minutes	Interactive Radio Counselling IRC, Introduction to Environmental Health, Pollution and Health. 11 – 12 noon.
	PGDEOH	-	EMPC, IGNOU	17 th June 2018.	30 minutes	World Desert Day, 12 - 1pm
	PGDEOH	-	EMPC, IGNOU	June 5th, 2018	30 minutes	Environment Day, 12- 1pm
	PGDEOH	MEV-001	EMPC, IGNOU	May 25th, 2018.	One hour	IRC, Health and Environment, 12 - 1pm
6	PHDEV	Ph.D. Environmental Science	Face-to- Face classes teaching Classes taken for PHDEV students July to December	2017, 2018, 2019, 2022	-	Face-to-Face classes teaching Classes taken for PHDEV students July to November 2018 and July to November 2019. Assignments, preparation, evaluation, student seminars
7	PGDEOH	-	EMPC, IGNOU	2nd January 2019.	30 minutes	Teleconference, 3 - 4 PM, PGDEOH
8	PGDEOH	MEV-001	EMPC, IGNOU	27th February 2019.	30 minutes	Teleconference, Soil Pollution and Health. 3 – 3.30 PM,
9	PGDEOH	MEV-001	EMPC, IGNOU	13th March 2019	30 minutes	Teleconference, Environment and Health.
10	PGDEOH	-	EMPC, IGNOU	24th April 2019	30 minutes	Teleconference, PGDEOH
11	PGDEOH	-	EMPC, IGNOU	October 3rd, 2019	30 minutes	Teleconference, Environmental and Occupational Hazards in Agriculture sector.
12	PGDEOH	-	EMPC, IGNOU	June 3rd 2019	30 minutes	World Environment day.

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13	PGDEOH	-	EMPC, IGNOU	June 27th 2019.	30 minutes	Teleconference, PGDEOH
14	PGDEOH	MEV-004.	EMPC, IGNOU	June 26th 2019.	30 minutes	Teleconference, Introduction to Environmental Toxicology
15	PGDEOH	-	EMPC, IGNOU	July 4th 2019.	30 minutes	Teleconference, PGDEOH.
16	PGDEOH	-	EMPC, IGNOU	July 10th 2019.	30 minutes	Environmental Labelling MEV-003.
17	PGDEOH	-	EMPC, IGNOU	September 30th 2019.	30 minutes	Teleconference, Green Campus Initiatives.
18	PGDEOH	-	EMPC, IGNOU	August 21st 2019.	30 minutes	Teleconference, Disaster Management.
19	PGDEOH	-	EMPC, IGNOU	August 28th, 2019	30 minutes	Baskar, S. Teleconference, Climate modelling.
20	PGDEOH	-	EMPC, IGNOU	August 30th, 2019	30 minutes	Baskar, S. Teleconference, PGDEOH.
21	PGDEOH	MEVE-003	EMPC, IGNOU	October 2nd, 2019	30 minutes	Interactive Radio Counselling: PGDEOH, Industrial Pollutants, 12 to 1pm. Biofertilizers and manures.
22	PGDEOH	MEVE-004	EMPC, IGNOU	September 2019	One hour	Interactive Radio Counselling: PGDEOH, Industrial Pollutants, 12 to 1pm
23	PGDEOH	MEVE-004	EMPC, IGNOU	July 2nd 2019	One hour	Interactive Radio Counselling: PGDEOH, Industrial Pollutants, 12 to 1pm.
24	PGDEOH	MEV-003	EMPC, IGNOU	July 14th 2019	One hour	Interactive Radio Counselling: PGDEOH, Environmental law and Management. 11– 12 noon.
25	PGDEOH	MEV-002	EMPC, IGNOU	July 31st, 2019	One hour	Interactive Radio Counselling: PGDEOH, Environmental and Occupational Hazards. 11 – 12 noon

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26	PGDEOH	-	EMPC, IGNOU	January 9th, 2020	30 minutes	Teleconference, PGDEOH.
27	PGDEOH	MEV-004	EMPC, IGNOU	December 19th, 2019	30 minutes	Teleconference, PCR applications in environmental health research.
28	PGDEOH	MEV-001	EMPC, IGNOU	December 18th, 2019	30 minutes	Teleconference, Bat diversity.
29	PGDEOH	MEV-001	EMPC, IGNOU	February 12 th 2020	30 minutes	Teleconference, Water Conservation and Management.
30	PGDEOH	MEV-002	EMPC, IGNOU	1 st April 2020	30 minutes	Interactive Radio Counseling 12 noon to 12.30 Vector borne and Zoonotic diseases, for PGDEOH Learners.
31	PGDEOH	MEVE-003	EMPC, IGNOU	June 5 th 2020	30 minutes	Interactive Radio Counseling, Emerging trends in Global Health: Some Infectious diseases from 3 to 3.30 PM
32				Online classes held: 33 sessions held for PGDEOH via Google Meet. During Lockdown period.		Online classes held: 33 sessions held for PGDEOH via Google Meet. During Lockdown period.
33	PGDEOH	MEV-002	EMPC, IGNOU	Oct 14 th 2020	30 minutes	3 to 3.30 PM. Bacterial Diseases and Health
34	PGDEOH	MEV-001	EMPC, IGNOU	Nov 11 th 2020	30 minutes	3 to 3.30 PM: Prof. Rupini and Dr. Sushmitha Baskar Environmental risks to human health
35	PGDEOH	MEV-002	EMPC, IGNOU	Jan 6 th 2021	30 minutes	Zoonotic Diseases.
36	PGDEOH	MEV-004	EMPC, IGNOU	Feb 3 rd 2021	30 minutes	Environmental Neurotoxicology
37	PGDEOH	MEVE-004	EMPC, IGNOU	Feb 10 th 2021.	30 minutes	Prof. Rupini and Dr. Sushmitha Baskar Interactive session, Environme ntal and Occupational Hazards in the Workplace I:

						Textile and Tanning Industry.
38	PGDEOH	MEVE-004	EMPC, IGNOU	March 10 th 2021	30 minutes	Environmental and Occupational Hazards in the Workplace II: Mining Industry
39	PGDEOH	MEV-004	EMPC, IGNOU	April 6 th 2021.	30 minutes	Effects of Toxicity
40	PGDEOH	MEV-002	EMPC, IGNOU	July 7 th 2021	30 minutes	Plant and Plant Products: Allergens and Health Hazards
41	PGDEOH	MEV-004	EMPC, IGNOU	August 4 th 2021	30 minutes	3 to 3.30 PM: Environmental Toxicants: Nephrotoxicants
42	PGDEOH	MEV-002	EMPC, IGNOU	Sept 1 st 2021	30 minutes	3 to 3.30 PM Corporate and Office Hazards.
43	PGDEOH	MEV-005	EMPC, IGNOU	Oct 6 th 2021	30 minutes	3 to 3.30 PM: Stress at the Workplace: Occupational Health and Safety.
44	PGDEOH	MEV-002	EMPC, IGNOU	Oct 13 th 2021	30 minutes	3.30 – 4 PM: Introduction to Natural Hazards and Disasters.
45	PGDEOH	MEV-003	EMPC, IGNOU	Nov 10 th 2021	30 minutes	3.30 – 4 PM: Environmental Design
46	PGDEOH	MEV-003	EMPC, IGNOU	Dec 8 th 2021	30 minutes	Environmental Labelling
47	PGDEOH	MEVE-002	EMPC, IGNOU	Jan 5 th 2022	30 minutes	3.00 – 3.30 PM. Infectious hazards in the healthcare sector.
48	MAEOH	-	EMPC, IGNOU	Feb 16 th 2022	30 minutes	3.00 – 3.30 PM Introduction to MAEOH
49	PGDEOH	MEVE-004	EMPC, IGNOU	Feb 23 rd 2022	30 minutes	3.00 – 3.30 PM. Environmental and Occupational Hazards in the Iron and Steel Industry
50	PGDEOH	MEV-003	EMPC, IGNOU	March 9 th 2022	30 minutes	3.30 – 4 PM. Women and Environment
51	MAEOH	-	EMPC, IGNOU	Feb 1 st 2022	30 minutes	MAEOH with RSD
52	PGDEOH	MEV-001	EMPC, IGNOU	April 27 th 2022	30 minutes	Microplastics in the ocean

53	PGDEOH	MEVE-003	EMPC, IGNOU	May 18 th 2022	30 minutes	Botanicals
54	PGDEOH	MEVE-003	EMPC, IGNOU	May 23 rd 2022	30 minutes	Antibiotics on our plate
55	PGDEOH	MEVE-003	EMPC, IGNOU	July 6 th 2022	30 minutes	Organic Farming and its benefits
56	PGDEOH	MEV-002	EMPC, IGNOU	August 5 th 2022	30 minutes	Droughts
57	PGDEOH/ MAEOH	MEV-001	EMPC, IGNOU	September 7 th 2022	30 minutes	Ozone day: History and Significance
58	PGDEOH/ MAEOH	MEV-001	EMPC, IGNOU	6th April 2022	30 minutes	Topic: Effects of Climate Change MEV001 PGDEOH/MAEOH Expert: Prof R Baskar and Dr. Sushmitha Baskar, SOITS
59	PGDEOH/ MAEOH	MEV-001	EMPC, IGNOU	4th May 2022	30 minutes	12pm-12.30pm Topic: Ozone layer depletion: Facts, known effects and possible solutions, Expert: Prof R Baskar, Dr. Sushmitha Baskar, Prof. B. Rupini
60	PGDEOH/ MAEOH	MEV-003	EMPC, IGNOU	6 th July 2022	30 minutes	Sustainable Cities, Prof R Baskar, Dr. Sushmitha
61	PGDEOH/ MAEOH	MEV-001	EMPC, IGNOU	1st Dec 2021	30 minutes	Time: 12:00-12:30 pm Topic: Air pollution (MEV-001) Resource Persons: Prof.B.Rupini & Dr.Sushmitha Baskar.
62	PGDEOH	MEV-002	EMPC, IGNOU	3rd November 2021	30 minutes	12:30 to 1:00 pm- Corporate and Office Hazards by Dr. Sushmitha Baskar
63	PGDEOH	MEV-004	EMPC, IGNOU	6 October 2021	30 minutes	12 PM to 1 PM Topic: Environmental

						Toxicology: Teratogenesis and Carcinogenicity Expert: Dr. Sushmitha Baskar, SOITS, IGNOU.
64	PGDEOH/ MAEOH	MEV-001	EMPC, IGNOU	7.9.2022	30 minutes	3.00-3.30, Topic: PGDEOH/ MAEOH, MEV 001, Title: Ozone Day: History and Significance. Dr. Sushmitha Baskar, SOITS, IGNOU.
65	PGDEOH/ MAEOH	MEV-005	EMPC, IGNOU	31.8.2022	One hour	31.8.2022 4.00- 5.00 PM, Experts: Dr. Sushmitha Baskar, Ms. Pooja Saxena & Sh. Vivek Thakur, School: School of Health Science (SOHS), Topic: Course codes: BNS 040, BNSL040 and MEV 005, First Aid and Accidental Injuries Response Management, Part -1 & 2.
66	PGDEOH/ MAEOH	MEV-004	EMPC, IGNOU	30.8.2023	One hour	4 – 5PM MEV-004 Epigenetics and Pollution Part 2, Dr. Sushmitha Baskar and Dr. Suresh Kumar NICPR, ICMR, New Delhi.
67	PGDEOH/ MAEOH	MEV-004	EMPC, IGNOU	13.9.2023	30 minutes	3 PM, Chemicals and Health MEV- 004, PGDEOH/MAEOH. Expert: Dr. Sushmitha Baskar.

14. Details of Patents granted (if any): NIL

15. Contribution to IGNOU's corporate life:

S.No.	Chairperson/ Member of Committee	Name of the Committee	Date/ period
1.	Member	School Board, SOITS	12.10.2016 – 2.9.2017
2.	Member	School Board, SOITS	15.10.2019 – 15.10.2021

16. Administrative position/s held in the University (even as in charge)

S.No.	Designation	Period
1.	Discipline Coordinator, Environmental Studies SOITS	5.10.2016 – 5.10.2018
2.	Director In charge (SOITS)	22.12.2016 – 30.12.2016
3.	Director In charge (SOITS)	18.6.2019 – 19.6.2019
4.	Gyan Darshan Coordinator SOITS	1.10. 2018 – 2022
5.	CIQA Nodal Officer SOITS	2022 - 2024
6.	School Board Member	2016-2017, 2019 – 2021, 2023 - 2025
7.	School Council Member	2016 - present
8.	Programme Coordination PGDEOH, MAEOH, PGDEML	2019 – present 2022 – present 2023 - present

17. Any other contribution/information

Bashmi Ha Baskau

Signature of Teacher /Academic