

1. Details of the Teacher/ Academic:

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| 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 | External Expert Member CIQA | CIQA, Central University of Tamil Nadu, Tiruvarur. | 2025 – 2027 |
| Dr. Sushmitha Baskar | External Expert Member CIQA | CIQA, Bharathidasan University, Tiruchirappalli, Tamil Nadu, | 2025 – 2027 |
| 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 |

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. |
|-------|---|--|----------------------|--|------|-------------|-------------------------|
| | Book Chapter | | | | | | |
| 1. | 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 |

| | | | | | | | |
|----|---|---|---|---|------|------------------|---|
| 2. | 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. |
| 3. | Baskar S, Baskar R. | Cave Ecosystems: Sites For Potential Biogenic Signatures In: Cave Science Insights from the Indian Subcontinent. 1 st Edition Eds J. Biswas. | National Cave Science Protection Organization, India. | National Cave Science Protection Organization, India. | 2022 | 115-132 | ISBN: 9788193942307 |
| 4. | 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. |
| 5. | 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 | 1 - 30 | LCCN 2021054729 (print) LCCN 2021054730 (ebook) ISBN 9781799894148 (h/c) ISBN 9781799894155 (s/c) ISBN 9781799894162 (ebook). |
| 6. | 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 | 22 - 40 | ISBN 9788119708123. |
| 7. | Abirami Subramanian and Sushmitha Baskar. | Biomineralization of toxic chemicals and radionuclides by geomicrobes. In Eds. Santa Ram Joshi , Pradeep Verma, Subhro Banerjee. | Mineral Transformation and Bioremediation by Geo-Microbe | Springer Nature, Singapore | 2025 | 89 – 104 | ISBN 978-981-96-3032-5 ISBN 978-981-96-3033-2 (eBook). |

| | | | S. | | | | |
|-----|------------------------------------|--|--|-----------------|------|------------|---|
| 8. | Sushmitha Baskar. | Environmental Science, Environmental Health, and Sanitation | Comprehensive Textbook of Community Health Nursing including Environmental Science and Epidemiology Volume 1 | Elsevier | 2025 | 59 – 78 p. | ISBN: 9788131264416. |
| | IGNOU Units – Book Chapters | | | | | | |
| 9. | 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 |
| 10. | 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 |
| 11. | Dr. Sushmitha Baskar | Introduction to Natural Hazards for Course MEV-012, MSCENV, SOITS, IGNOU. | New Delhi | IGNOU New Delhi | 2021 | | ISBN: 9789390773701 |
| 12. | 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 |
| 13. | Dr. Sushmitha Baskar | Unit-2 Introduction to Environmental Health MEV-018 for MSc Environmental | New Delhi | IGNOU New Delhi | 2022 | | http://egyankosh.ac.in//handle/123456789/86410 |

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| | | Science, SOITS, IGNOU. | | | | | |
| 14. | 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 |
| 15. | Dr. Sushmitha Baskar | Block 2: Bacteria and Viruses Unit: 4 EubacteriaFor BBCET-143Basic MicrobiologyBSc (Hons) Biochemistry | New Delhi | IGNOU New Delhi | 2023 | | April 2023 ISBN: 9789355688583 |
| 16. | Dr. Sushmitha Baskar | Block 2: Bacteria and Viruses Unit: Archaebacteria and Unusual bacteriaFor BBCET-143Basic MicrobiologyBSc (Hons) Biochemistry | New Delhi | IGNOU New Delhi | 2023 | | April 2023 ISBN: 9789355688583 |
| 17. | Dr.Sushmitha Baskar | Hygiene, Sanitation and Waste Management. BFO – 010. Unit 12. Introduction to Liquid Waste Management. | New Delhi | IGNOU New Delhi | 2025 | 177 - 193 | ISBN: 9789361068737. |
| 18. | Dr.Sushmitha Baskar | Unit 4: Physical and Chemical treatment of waste. PG Diploma in Waste management, SOITS, IGNOU | New Delhi | IGNOU New Delhi | 2025 | 124 - 142 | ISBN: 9789361063398. |
| 19. | Dr.Sushmitha Baskar | Unit 5: Biological treatment of waste. PG Diploma in Waste management, SOITS, IGNOU | New Delhi | IGNOU New Delhi | 2025 | 143 - 166 | ISBN: 9789361063398. |
| 20. | Dr.Sushmitha Baskar | BERE-143. BAMSME. SOVET, IGNOU. Unit 1Ecofriendly Enterprises. | New Delhi | IGNOU New Delhi | 2025 | | ISBN :978-93-6106-996-3. |
| 21. | Dr.Sushmitha Baskar | BERE-143. BAMSME. SOVET, IGNOU. Unit 2 Renewable Energy Enterprises. | New Delhi | IGNOU New Delhi | 2025 | | ISBN :978-93-6106-996-3. |

4. Research Articles/Publications:

| S.No. | Author/ Co-author (if any) | Title | Name of Journal | Volume | page no. (s) | Year | ISSN No |
|-------|---|--|--|--------|-----------------|------|-----------------------|
| 1. | 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 |
| 2. | 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. |
| 3. | 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 |
| 4. | 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 |
| 5. | 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 |
| 6. | Sushmitha Baskar & Ramanathan Baskar. | Studies on Geomicrobiology in some Indian Caves. | Journal Geological Society of India. Springer. | 98 | 1380-1384. | 2022 | ISSN 0974-6889. |
| 7. | Sushmitha Baskar, Siddhart h Baskar. | Linkages between Environment and Human Rights. | International Journal of All Research Education and Scientific Methods (IJARESM) | 10 (1) | 1011 – 1014. | 2022 | ISSN: 2455-6211 |
| 8. | Sushmitha Baskar. | Needs Assessment Study for a Distance learning certificate programme in Geomicrobiology. | Indian Journal of Open Learning, (IJOL), IGNOU, New Delhi | 31 (2) | 199 - 222. | 2022 | ISSN: 0971-2690 |
| 9. | Mudgil | Cultivable microbial | Archives of | 204 | 495 | 2022 | ISSN: |

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|-----|---|--|--|--|---------------|-------|---|
| | D, Dhiraj P, Baskar S, Baskar R, Shouche YS. | diversity in speleothems using MALDI-TOF spectrometry and DNA sequencing from Krem Soitan, Krem Lawbah, Krem Mawpun, Khasi Hills, Meghalaya, India. | Microbiology, Springer-Nature Publications | | | | 0302- 8933 |
| 10. | Abirami Subrama nian & Sushmith a 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: 23570 008, 11104 929, |
| 11. | Subrama nian Abirami, Krishna Kadirvel u & Sushmith a 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 | Print ISSN: 1532- 0383 Online ISSN: 1549- 7887 |
| 12. | Sushmith a 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 (IJOL), IGNOU, New Delhi | 32 (1). | 129 - 152 | 2023. | ISSN: 0971- 2690 |
| 13. | Abirami Subrama nian, Sushmith a Baskar & Krishna Kadirvel u | Lab scale evaluation of biomimetic assisted decolourization of reactive blue 4 and toxicity analysis | Bioremediation Journal, Taylor & Francis | https://doi .org/10.1 080/1088 9868.202 4.241432 6 | | 2024 | Print ISSN: 10 88- 9868 Online ISSN: 15 47-6529 |
| 14. | Abirami Subrama nian and Sushmith a Baskar. | Microbial resilience to climate extremes: A short review. | Kahaar, Lucknow, India, | 11 (1), | 34 – 38. | 2024 | 2394- 3912; ISSN: 2395- 9369. |
| 15. | Ruhail Maqbool Sheikh and Sushmitha Baskar. | A Recent Study of Water Quality of Dal Lake in Srinagar J&K. | International Journal of Environment and Health Sciences (IJEHS) | 6 (3) | 8 - 22 | 2024 | ISSN No: 2582- 5283 |
| 16. | Monika Jain, Katyayani Mishra and Sushmitha Baskar. | Open Defecation Free: A Foundation, not a Finish Line. | Kahaar Magazine, Lucknow, India | 12 (1) | 51 – 56. | 2025 | ISSN (p): 2394- 3912 ISSN (e): 2395- 9369. |

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|----------------|--|---|--|---------|-----------|-------|---|
| 17. | P.V.K.Sasi dhar, Nehal A Farooquee, G Uma, Sushmitha Baskar and Govindaraju Bharadwaz a. | Niche Area Programmes and Perspectives in Open and Distance Learning. | Indian Journal of Open Learning (IJOL), IGNOU, New Delhi | 34(3), | 27-46. | 2025 | ISSN 0971-2690 |
| 18. | Devesh Kumar Shukla and Sushmitha Baskar. | The Miracle Protein Faba Bean: A Short Review on the Effects of Chemicals & Environmental Pollutants on Plant Health. | Kahaar Magazine. | 12 (4) | 47 - 53. | 2025. | ISSN (p): 2394-3912 ISSN (e): 2395-9369. |
| ARTICLE | | | | | | | |
| 1. | R Baskar, S Parkash, S Badola, Sushmitha Baskar, KGogoi. | Celebration of the Earth Day 2024 – A Report. | Journal Geological Society of India, Springer Nature. | 100 (7) | 1061-1062 | 2024 | Print ISSN of 0016-7622 |
| 2. | 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 |
| 3 | Baskar S. 2020. | Mercury contaminated sites. Phytoremediation by Indian mustard' | Science Last Fortnight. Current Science. Indian Academy of Sciences. | 119 (1) | 10-11 | 2020 | ISSN: 0011-3891 |
| 4 | Baskar S. 2020. | Toxicants in rural households': Indoor air quality | Science Last Fortnight. Current Science. Indian Academy of Sciences. | 119 (3) | 429 | 2020 | ISSN: 0011-3891 |
| 5 | Baskar S. 2020. | Vitamin D Deficiency: Urban South India' | Science Last Fortnight. Current Science. Indian Academy of Sciences. | 119 (4) | 587 | 2020 | ISSN: 0011-3891 |
| 6 | Baskar S. 2020. | Occupational hazards Heat stress and kidney stones' | Science Last Fortnight. Current Science. Indian Academy of Sciences. | 119 (2) | 169 | 2020 | ISSN: 0011-3891 |

5. Policy Documents Reports/ Mimeo: 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) | Year | Weblink |
|------|----------------------------|-------|---------|-------|---|------|---------|
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| | | | | | Pathshala/ Any Other) | | |
|----|---------------------------------------|---|----|----|--|------|---|
| 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 | SWAYAM PRABHA IGNOU ONLINE PROGRAM (IOP) | 2022 | https://iop.ignouonline.ac.in/programme/p23 |
| 4. | Prof. B. Rupini; Dr. Sushmitha Baskar | PGDENOHOL | 40 | PG | SWAYAM PRABHA IGNOU ONLINE PROGRAM (IOP) | 2025 | https://iop.ignouonline.ac.in/programme/p78 |

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. | Abirami S. and Sushmitha Baskar | Geomicrobiology: An Emerging Science and Way out to Environmental and Health Problems | STE, Kolkatta and IGNOU | National Conference Virtual conference on emerging trends to heal the earth and environment | Kolkatta | 18.9.2021 |
| 2. | Monika Jain and Sushmitha Baskar | Awareness generation among the masses through community participation | STE, Kolkatta and IGNOU | National Conference Virtual conference on emerging trends to heal the earth and environment | Kolkatta | 18.9.2021 |
| 3. | Chandni N.P. and Sushmitha Baskar | A comparison of water quality assessments in Periyar and Kallayi rivers of Kerala, South India. | Department of Geology, Bangalore University | International Conference on “Climate change and Geoscience”. | Bangalore | 5 th and 6 th February 2024. |
| 4. | Chandni N. P. and Sushmitha Baskar. | A comparison of two water quality indices on the Chaliyar river in Kerala, South India. | SOITS, IGNOU, New Delhi. | National Conference on Exploring Interdisciplinary Frontiers: Challenges and | New Delhi | 25 th – 26 th April 2024 |

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| | | | Opportunities. | | |
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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):

| S.No. | Name and enrolment no: | Year of registration | Year of completion/ award |
|-------|----------------------------------|----------------------|---------------------------|
| 1. | Monika Jain 198570105 | 2019 | 2024 |
| 2. | Abirami. S. 198570334 | 2019 | 2023 |
| 3. | Chandni N.P. 210270570 | 2021 | Ongoing |
| 4. | Devesh Kumar Shukla 240001130 | 2024 | 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, Edited | 2020 – 2024 |
| 2. | PGDEOH | MEV-002 | - | Coordinated, Edited, Written | 2020 - Present |
| 3. | PGDEOH | MEV-004 | - | Coordinated, Edited, Written | 2020 - Present |
| 4. | PGDEOH | MEVP-01 | - | Coordinated, Edited | 2020 - Present |
| 5. | MSCENV | MEV-012 | - | Coordinated | 2021 - Present |
| 6. | MSCENV | MEVE-015 | - | Coordinated, Edited, Written | 2021 - Present |
| 7. | MSCENV | MEVE-017 | - | Coordinated, Edited | 2021 - Present |
| 8. | PHDEV | REV-001 | - | Coordinated | 2018 - Present |
| 9. | PHDEV | REVE-004 | - | Coordinated | 2018 - Present |
| 10 | PGDEOHOL | - | - | Entire Programme Coordinated | 2022 – 2024 |
| 11 | MOOC | MEV-002 | - | Coordinated | 2022 - Present |
| 12 | MOOC | MEVE-001 | - | Coordinated | 2022 - Present |

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| 13 | MAEOH | - | - | Entire Programme Coordinated, Edited | 2022 – 2024 |
| 14 | PGDEML | - | - | Entire Programme Coordinated | 2023 – Present |
| 15 | MAENOH | - | - | Entire Programme Coordinated | 2025 – Present |
| 16 | PGDENOH | - | - | Entire Programme Coordinated | 2025 - Present |
| 17 | PGDENOHOL | - | - | Entire Programme Coordinated | 2025 - 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. | PHDEV | Ph.D. Environmental Science | Face-to-Face classes teaching Classes taken for PHDEV students | 2022, 2023, 2024, 2025 | - | Face-to-Face classes teaching Classes taken for PHDEV students. Assignments, preparation, evaluation, student seminars |
| 2. | PGDEOH | - | EMPC, IGNOU | January 9th, 2020 | 30 minutes | Teleconference, PGDEOH. |
| 3. | PGDEOH | MEV-001 | EMPC, IGNOU | February 12 th 2020 | 30 minutes | Teleconference, Water Conservation and Management. |
| 4. | 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. |
| 5. | 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 |
| 6. | PGDEOH | | | Online classes held: 33 sessions held for PGDEOH via Google Meet. During Lockdown | | Online classes held: 33 sessions held for PGDEOH via Google Meet. During Lockdown period. |

| | | | | period. | | |
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| 7. | PGDEOH | MEV-002 | EMPC, IGNOU | Oct 14 th 2020 | 30 minutes | 3 to 3.30 PM. Bacterial Diseases and Health |
| 8. | 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 |
| 9. | PGDEOH | MEV-002 | EMPC, IGNOU | Jan 6 th 2021 | 30 minutes | Zoonotic Diseases. |
| 10. | PGDEOH | MEV-004 | EMPC, IGNOU | Feb 3 rd 2021 | 30 minutes | Environmental Neurotoxicology |
| 11. | PGDEOH | MEVE-004 | EMPC, IGNOU | Feb 10 th 2021. | 30 minutes | Prof. Rupini and Dr. Sushmitha Baskar Interactive session, Environmental and Occupational Hazards in the Workplace I: Textile and Tanning Industry. |
| 12. | PGDEOH | MEVE-004 | EMPC, IGNOU | March 10 th 2021 | 30 minutes | Environmental and Occupational Hazards in the Workplace II: Mining Industry |
| 13. | PGDEOH | MEV-004 | EMPC, IGNOU | April 6 th 2021. | 30 minutes | Effects of Toxicity |
| 14. | PGDEOH | MEV-002 | EMPC, IGNOU | July 7 th 2021 | 30 minutes | Plant and Plant Products: Allergens and Health Hazards |
| 15. | PGDEOH | MEV-004 | EMPC, IGNOU | August 4 th 2021 | 30 minutes | 3 to 3.30 PM: Environmental Toxicants: Nephrotoxicants |
| 16. | PGDEOH | MEV-002 | EMPC, IGNOU | Sept 1 st 2021 | 30 minutes | 3 to 3.30 PM Corporate and Office Hazards. |
| 17. | PGDEOH | MEV-005 | EMPC, IGNOU | Oct 6 th 2021 | 30 minutes | 3 to 3.30 PM: Stress at the Workplace: Occupational Health and Safety. |
| 18. | PGDEOH | MEV-002 | EMPC, IGNOU | Oct 13 th 2021 | 30 minutes | 3.30 – 4 PM: Introduction to Natural Hazards and Disasters. |

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| 19. | PGDEOH | MEV-003 | EMPC, IGNOU | Nov 10 th 2021 | 30 minutes | 3.30 – 4 PM: Environmental Design |
| 20. | PGDEOH | MEV-003 | EMPC, IGNOU | Dec 8 th 2021 | 30 minutes | Environmental Labelling |
| 21. | PGDEOH | MEVE-002 | EMPC, IGNOU | Jan 5 th 2022 | 30 minutes | 3.00 – 3.30 PM. Infectious hazards in the healthcare sector. |
| 22. | MAEOH | - | EMPC, IGNOU | Feb 16 th 2022 | 30 minutes | 3.00 – 3.30 PM Introduction to MAEOH |
| 23. | 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 |
| 24. | PGDEOH | MEV-003 | EMPC, IGNOU | March 9 th 2022 | 30 minutes | 3.30 – 4 PM. Women and Environment |
| 25. | MAEOH | - | EMPC, IGNOU | Feb 1 st 2022 | 30 minutes | MAEOH with RSD |
| 26. | PGDEOH | MEV-001 | EMPC, IGNOU | April 27 th 2022 | 30 minutes | Microplastics in the ocean |
| 27. | PGDEOH | MEVE-003 | EMPC, IGNOU | May 18 th 2022 | 30 minutes | Botanicals |
| 28. | PGDEOH | MEVE-003 | EMPC, IGNOU | May 23 rd 2022 | 30 minutes | Antibiotics on our plate |
| 29. | PGDEOH | MEVE-003 | EMPC, IGNOU | July 6 th 2022 | 30 minutes | Organic Farming and its benefits |
| 30. | PGDEOH | MEV-002 | EMPC, IGNOU | August 5 th 2022 | 30 minutes | Droughts |
| 31. | PGDEOH/ MAEOH | MEV-001 | EMPC, IGNOU | September 7 th 2022 | 30 minutes | Ozone day: History and Significance |
| 32. | PGDEOH/ MAEOH | MEV-001 | EMPC, IGNOU | 6th April 2022 | 30 minutes | Topic: Effects of Climate Change MEV001 PGDEO H/MAEOH Expert: Prof R Baskar and Dr. Sushmitha Baskar, SOITS |
| 33. | 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 |

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| | | | | | | Baskar, Dr. Sushmitha Baskar, Prof. B. Rupini |
| 34. | PGDEOH/ MAEOH | MEV-003 | EMPC, IGNOU | 6 th July 2022 | 30 minutes | Sustainable Cities, Prof R Baskar, Dr. Sushmitha |
| 35. | 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. |
| 36. | PGDEOH | MEV-002 | EMPC, IGNOU | 3rd November 2021 | 30 minutes | 12:30 to 1:00 pm- Corporate and Office Hazards by Dr. Sushmitha Baskar |
| 37. | 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, IGNU. |
| 38. | PGDEOH/ MAEOH | MEV-001 | EMPC, IGNOU | 7.9.2022 | 30 minutes | 3.00-3.30, Topic: PGDEOH/M AEOH, MEV 001, Title: Ozone Day: History and Significance. Dr. Sushmitha Baskar, SOITS, IGNOU. |
| 39. | 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. |

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| 40. | 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. |
| 41. | PGDEOH/ MAEOH | MEV-004 | EMPC, IGNOU | 13.9.2023 | 30 minutes | 3 PM, Chemicals and Health MEV- 004, PGDEOH/MAEOH . Expert: Dr. Sushmitha Baskar. |
| 42. | PGDEOH/ MAEOH. | MEV-004, | EMPC, IGNOU | 18.10.2023 | 30 minutes | 3 – 3.30 PM Ecotoxicology Expert: Dr. Sushmitha Baskar. |
| 43. | PGDEOH/ MAEOH. | MEV-005, | EMPC, IGNOU | 19.10.2023 | 1 hour | 4 to 5 pm Lead Toxicity Expert: Dr. Sushmitha Baskar and Dr Saswati Das. |
| 44. | PGDEOH/ MAEOH. | MEVE-004 | EMPC, IGNOU | 13.12.2023. | 30 minutes | Mining and its Environmental Impacts Dr Sushmitha Baskar and Prof. R. Baskar |
| 45. | PGDEOH/ MAEOH. | MEV-001 | EMPC, IGNOU | 15.12.2023. | 30 minutes | Noise Pollution and Monitoring" Dr Sushmitha Baskar and Prof. R. Baskar, |
| 46. | PGDEML, | MEV-003 | EMPC, IGNOU | 24.1.2024 | 30 minutes | Ecotourism and Geotourism Dr Sushmitha Baskar and Prof. R. Baskar, SOS 4 – 4,30 pm. |
| 47. | PGDEML, MAEOH, | MEV-003 | EMPC, IGNOU | 15.2.2024. | 30 minutes | 3.30 – 4 PM. Environmental Movements in India Dr Sushmitha Baskar and Prof. R. Baskar, |
| 48. | PGDEML, MAEOH, | MEV-003 | EMPC, IGNOU | 20.3.2024. | 30 minutes | 3 – 3.30 PM. International Day of Forests. Dr Sushmitha Baskar and Prof. R. Baskar. |

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| 49. | PGDEML, MAEOH, | MEV-003 | EMPC, IGNOU | 5.6.2024 | 30 minutes | 3 – 3.30 PM. NEP 2020 and Environmental Education. Dr Sushmitha Baskar and Prof. R. Baskar. |
| 50. | MAEOH/ PGDEOH | | EMPC, IGNOU | 5.6.2024 | 1 hour | 3.30 – 4 PM. Programme Overview of MAEOH and PGDEOH. Dr Sushmitha Baskar. |
| 51. | PGDEOH/ MAEOH | MEVE-003 | EMPC, IGNOU | 28.8.2024. | 30 minutes | 3 - 3.30 PM. Topic: Occupational Hazards Associated with Agriculture and Allied Sectors |
| 52. | PGDEOH/ MAEOH | MEVE-004 | EMPC, IGNOU | 25.9.2024. | 30 minutes | 4 – 4.30 PM Environmental and Occupational Hazards in the Paper and Pulp Industry Dr. Sushmitha Baskar |
| 53. | PGDEOH/ MAEOH | MEVE-005 | EMPC, IGNOU | 24.10.2024. | 30 minutes | 4 – 4.30 PM INTRODUCTION TO MEVE 005: DISABILITY STUDIES AND OCCUPATIONAL HEALTH. Dr. Sushmitha Baskar and Prof. Shubhangi Vaidya. |
| 54. | PGDEOH/ MAEOH | MEV-001 | EMPC, IGNOU | 7.11.2024 | 30minutes | 4 – 4.30 PM Energy resources and conservation. Dr. Sushmitha Baskar and Prof. Rupini. |
| 55. | PGDEML/ MAENOH | MEV-003. | EMPC, IGNOU | 11.12.2024. | 30 minutes | 4 – 4.30 PM. Wild Living Resources Dr. Sushmitha Baskar |
| 56. | PGDEML/ MAENOH | MEV-003. | EMPC, IGNOU | 23.4.2025. | 30 minutes | 4 – 4.30 PM. Water treatment technologies. Dr. Sushmitha Baskar |

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| 57. | PGDENOH/ MAENOH | MEV-004 | EMPC, IGNOU | 14.5.2025. | 30 minutes | Concepts and principles of Environmental Toxicology. Dr. Sushmitha Baskar. |
| 58. | PGDEML/ MAENOH | MEV-003. | EMPC, IGNOU | 27.8.2025. | 30 minutes | Prof. R. Baskar and Dr. Sushmitha Baskar. |
| 59. | PGDEML/ MAENOH | MEV-003. | EMPC, IGNOU | 24.9.2025 | 30 minutes | Mission LiFE Lifestyle for environment. Prof. R. Baskar and Dr. Sushmitha Baskar. |
| 60. | MAENOH | MEV-004 | EMPC, IGNOU | 6.10.2025 | 30 minutes | 4 – 4.30 PM Water pollution and waterborne pathogens. Dr. Sushmitha Baskar. |
| 61. | MAENOH | MEV-005 | EMPC, IGNOU | 21.10.2025 | 1 hour | 4 – 5 PM Biomedical waste management Dr. Sushmitha Baskar. |
| 62. | PGDEML | - | IGNOU/ RC Jaipur | 10.12.2025 | 1.5 hours | Induction Counselling session RC Jaipur 10.30 to 12 noon. Prof. R. Baskar and Dr. Sushmitha Baskar. |
| 63. | PGDEML, MAEOH, | MEV-003. | EMPC IGNOU | 6.12.2023. | 30 minutes | 12 NOON - 12:30 PM. Biodiversity and Conservation. Expert: Dr. Sushmitha Baskar, SOITS |
| 64. | PGDEML | | EMPC IGNOU | 6.3.2024. | 30 minute | 12:00PM- 12:30 PM: Forests: Survival of humanity and planet. Dr. Sushmitha Baskar (SOITS) and Prof. R. Baskar |
| 65. | PGDEML | MEV-003 | EMPC IGNOU | 4.12.2024 | 30 minute | 12 noon Microplastics in the ocean. Dr. Sushmitha Baskar |
| 66. | MAENOH, PGDENOH, PGDEML | MEV-003 | EMPC IGNOU | 7.5.2025 | 30 minute | 12:00PM- 12:30PM. Water treatment technologies. Dr. |

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| | | | | | | Sushmitha Baskar |
| 67. | MAENOH, PGDENOH | MEV-002 | EMPC IGNOU | 30.7.2025. | 30 minute | Occupational Hazards in the Agriculture and Allied sectors. Dr. Sushmitha Baskar. |
| 68. | MAENOH, PGDENOH, PGDEML | MEV-003 | EMPC IGNOU | 6.8.2025. | 30 minute | Development of Green campuses in HEIs. PGDEML/ PGDENOH/ MAENOH. Prof. R. Baskar and Dr. Sushmitha Baskar. |
| 69. | MAENOH | MEV-005 | EMPC IGNOU | 29.10.2025 | 30 minutes | Biomedical waste management, 12.30 – 1 PM Dr. Sushmitha Baskar |

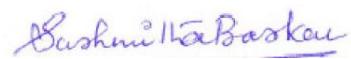
14. Details of Patents granted (if any): NIL
15. Contribution to IGNOU's corporate life:

| 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 |
| 3. | Member | School Board, SOITS | 7.11.2025 – 7.11.2027 |
| 4. | Member | Convocation IGNOU 2024, Awards Committee. | 2024 |
| 5. | Member | Convocation IGNOU 2025, Awards Committee. | 2025 |

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

| S.No. | Designation | Period |
|-------|---|--|
| 1. | Gyan Darshan Coordinator SOITS | 1.10.2018 – 2022 |
| 2. | CIQA Nodal Officer SOITS | 2022 – 2024 |
| 3. | IGRAM Nodal Officer SOITS | 2025 – 2026 |
| 4. | School Board Member | 2016-2017, 2019 – 2021, 2023 – 2025, 2025 - 2027 |
| 5. | School Council Member | 2016 - present |
| 6. | Programme Coordination PGDEOH | 2019 – present |
| 7. | Programme Coordination MAEOH, PGDEOHOL | 2022 – present |
| 8. | Programme Coordination PGDEML | 2023 - present |
| 9. | Programme Coordination MAENOH, PGDENOHOL, PGDENOH | 2025 – present |
| 10. | Programme Coordination PHDEV | 2019 – 2024 |

17. Any other contribution/information



Signature of Teacher /Academic