

PROFILE

Name	ARTI ROSHAN SONI
Designation	SCIENTIST , Mumbai Zonal Centre
Qualification	<p>Doctor of Philosophy (Ph. D.) (2014 – 2020) Department of Environmental Science and Engineering Indian Institute of Technology, Bombay Thesis : Climate change and Mumbai’s transportation system Supervisor : Prof. Munish Kumar Chandel</p> <p>M.Tech -Environmental Engineering (2008 – 2010) Civil Engineering Department N.I.T, Surathkal, Karnataka</p> <p>B.E - Environmental Engineering (2004 – 2008) K.I.T, Kolhapur</p>
Experience (in years)	<ul style="list-style-type: none"> • Scientist CSIR – NEERI, Mumbai (2019 – Present) • Manager Process and Mechanical Designing of water and wastewater structures JUSCO, Tata Steel (2010 – 2013)
Expertise (for e.g.: Water, Waste, Energy, Business Development etc.)	Greenhouse Gas Emissions Transportation Engineering Climate Change Impact assessment Designing of water and wastewater structures
Publications (in Nos.)	<ul style="list-style-type: none"> • Soni, A. R., Ballare, S., & Chandel, M. K. Greenhouse gas mitigation potential of Mumbai’s public transport system. • Soni, Arti ; Ganeshan, Manisha; Ayare, Atul. The International Journal of Climate Change: Impacts and Responses. Cambridge Vol. 1, Iss. 4, (2009): 125-138. DOI:10.18848/1835-7156/CGP/v01i04/37064 • Soni, A. R., Ballare, S., & Chandel, M. K. (2016). Use of Alternate Fuels for Mitigating Green House Gas Emissions from Public Bus Transit Fleet in Mumbai. <i>Separation Technologies in Chemical,</i>

	<p><i>Biochemical, Petroleum and Environmental Engineering, 57.</i></p> <ul style="list-style-type: none"> • Soni, A. R., & Chandel, M. K. (2018). Assessment of emission reduction potential of Mumbai metro rail. <i>Journal of cleaner production, 197</i>, 1579-1586. • Chandel, M. K., Sharma, I., Padmanabhi, R., Soni, A., & Dikshit, A. K. (2018). Evaluation of Mitigation Policy Packages–Mumbai Metropolitan Region. • Soni, A. R., & Chandel, M. K. (2020). Impact of rainfall on travel time and fuel usage for Greater Mumbai city. <i>Transportation Research Procedia, 48</i>, 2096-2107. • Amrit, K., Soni, A. R., Sunayana, Mishra, S. K., Vijay, R., & Kumar, R. (2020). Assessment of frequency and severity of droughts in Maharashtra state of India. <i>Arabian Journal of Geosciences, 13</i>, 1-14. • Soni, A. R., Makde, K., Amrit, K., Vijay, R., & Kumar, R. (2022). Noise prediction and environmental noise capacity for urban traffic of Mumbai. <i>Applied Acoustics, 188</i>, 108516. • Velmurugan, S., Padma, S., Advani, M., Sharma, R., Singhal, R., Patel, C., ... & Bhuyan, P. K. (2023). Impact of COVID-19 on transportation in urban India. In <i>Transportation Amid Pandemics</i> (pp. 275-292). Elsevier. • Soni, A. R., Amrit, K., & Shinde, A. M. (2023). COVID-19 and transportation of India: influence on infection risk and greenhouse gas emissions. <i>Environment, development and sustainability, 25</i>(8), 7377-7392.
Patents	-
Honors & Awards (If any)	-
Research Scholars (in Nos.)	<p>M.Tech</p> <ul style="list-style-type: none"> • Aviral Palival at IIT, Bombay M.Tech Thesis Title – “Studying GHG emissions of MMR’s transportation system”

(Ongoing)

Intern

- Yogita Halkara
(VIT, Vellore – 12.9.22 to 12.4.23)
Title : “Water auditing and water usage efficiency”
- Sneha Jadhav
(D.Y. Patil College, Pune – 17.7.23 to 17.1.24)
Title : “Climate change consideration in EIA”