



Life Cycle Assessment of Roofing Systems in Buildings: Green Roofs vs. Conventional Roofs

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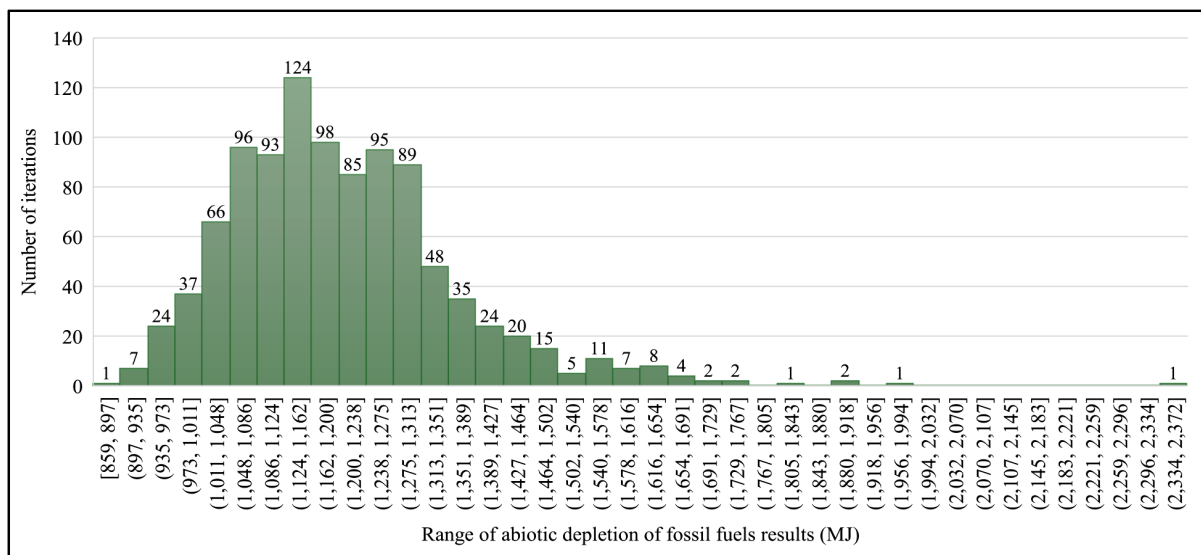


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Results of Monte Carlo simulations (1000 iterations) for the Life Cycle Assessment

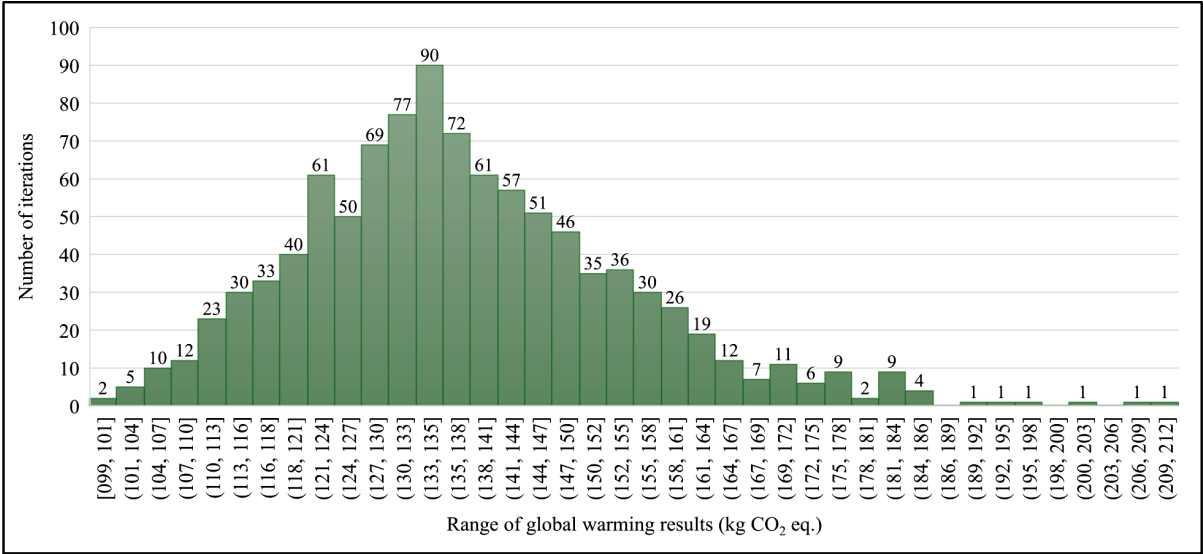
Green Roof of Study

- Abiotic depletion of fossil fuels



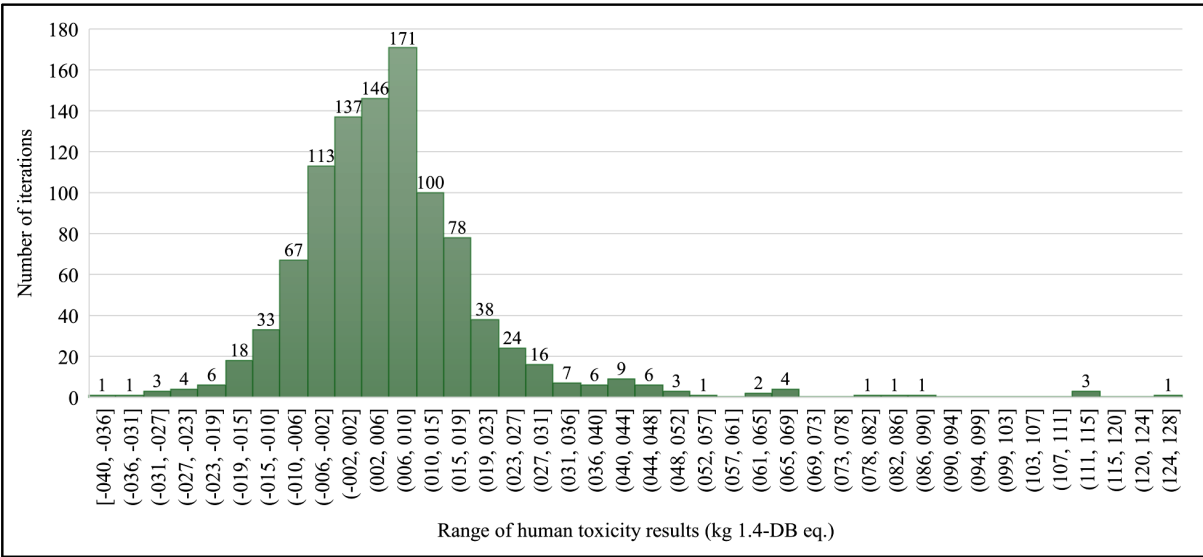
Green Roof of Study

- Global warming

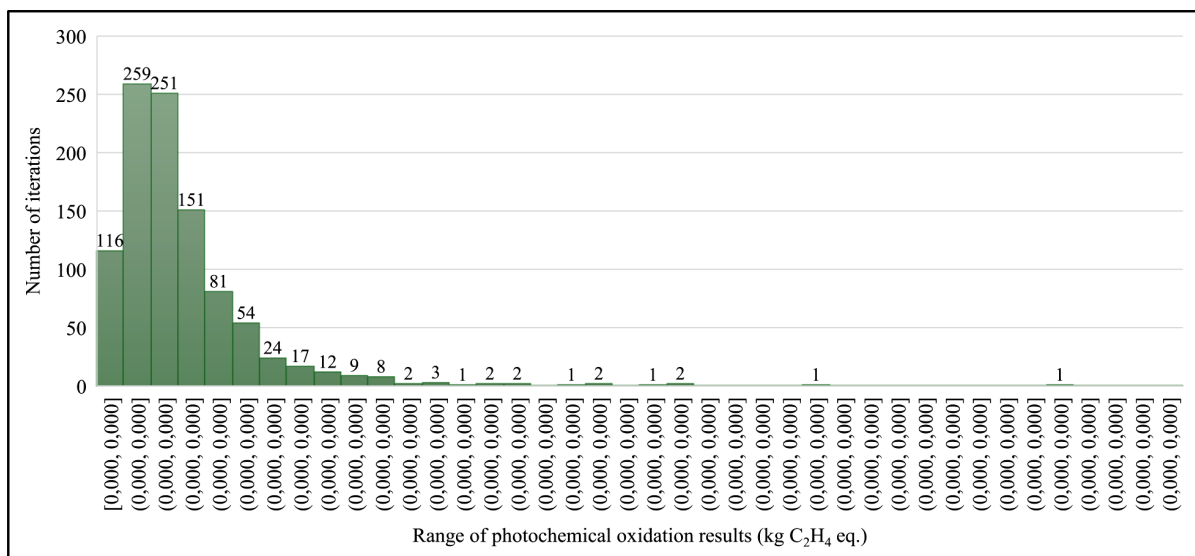


Green roof of Study

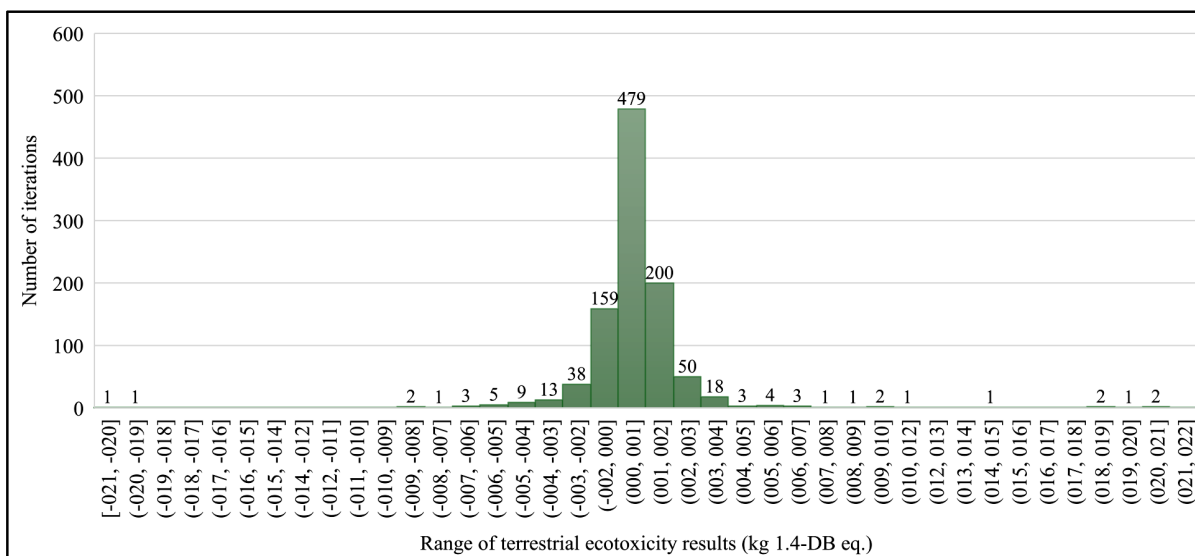
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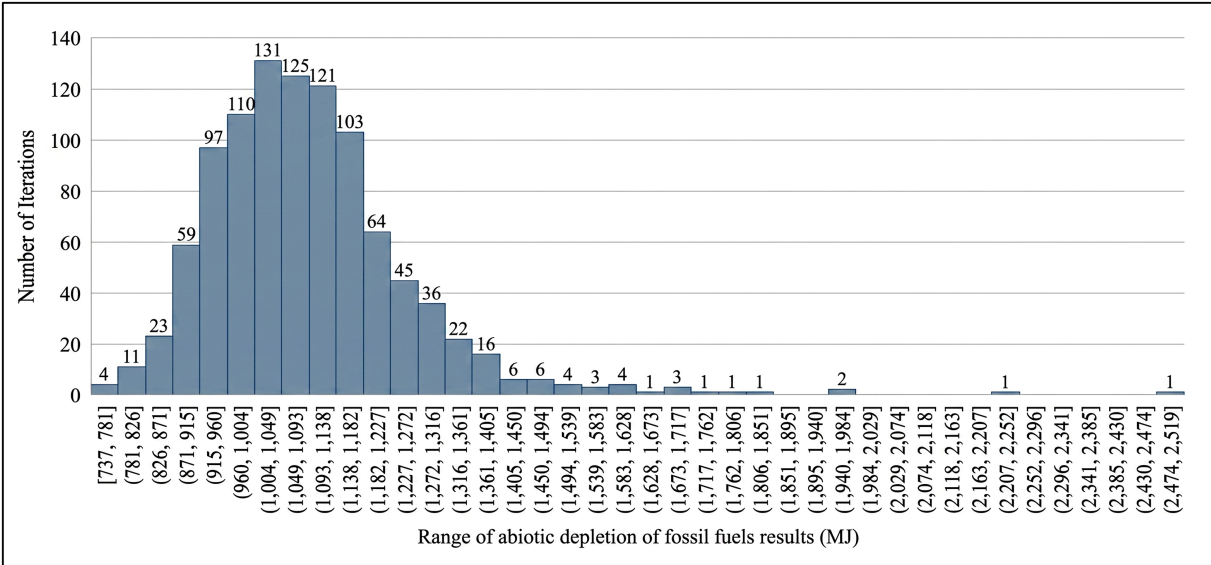


- Photochemical oxidation



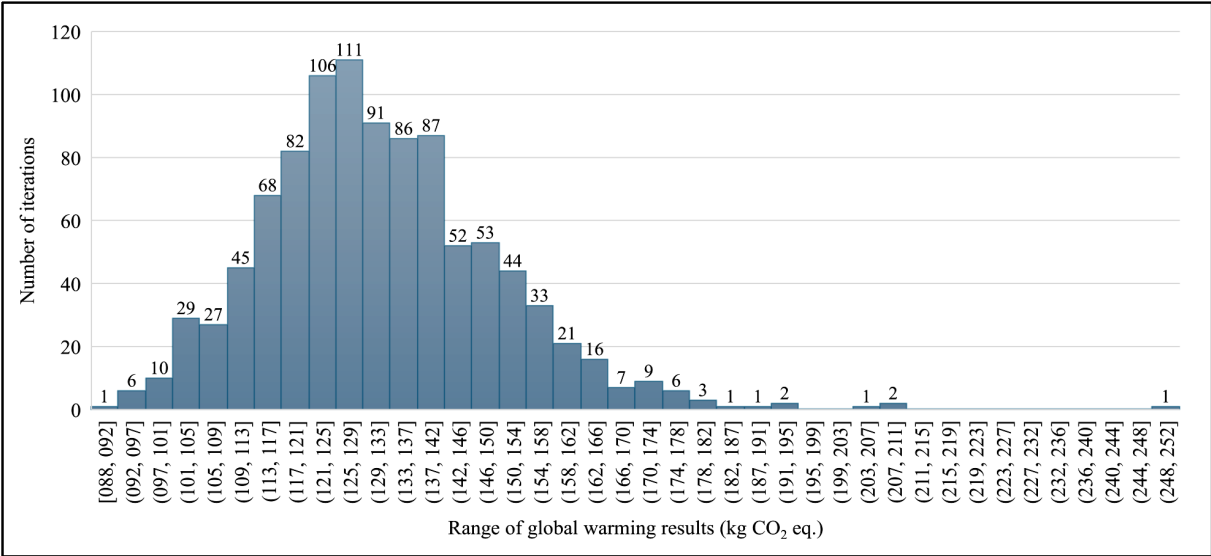
- Terrestrial ecotoxicity





Conventional Roof

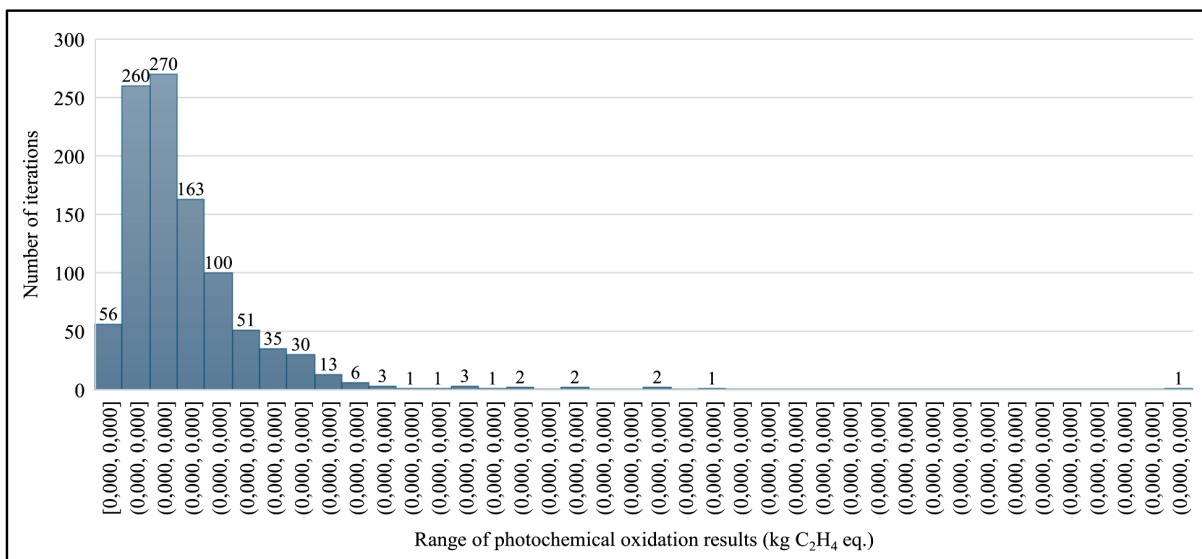
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- Human toxicity

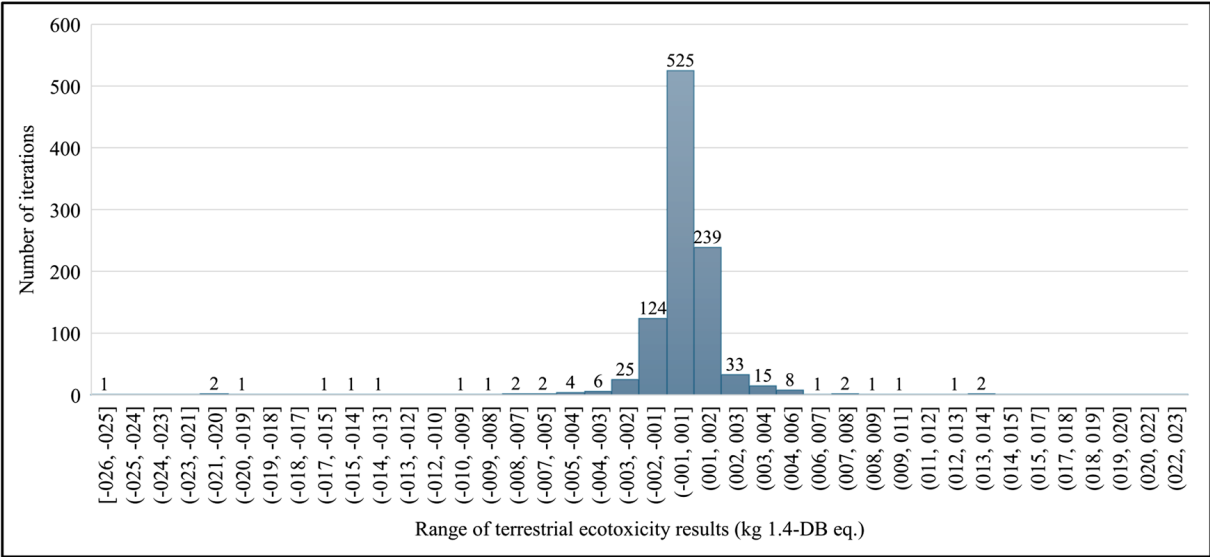


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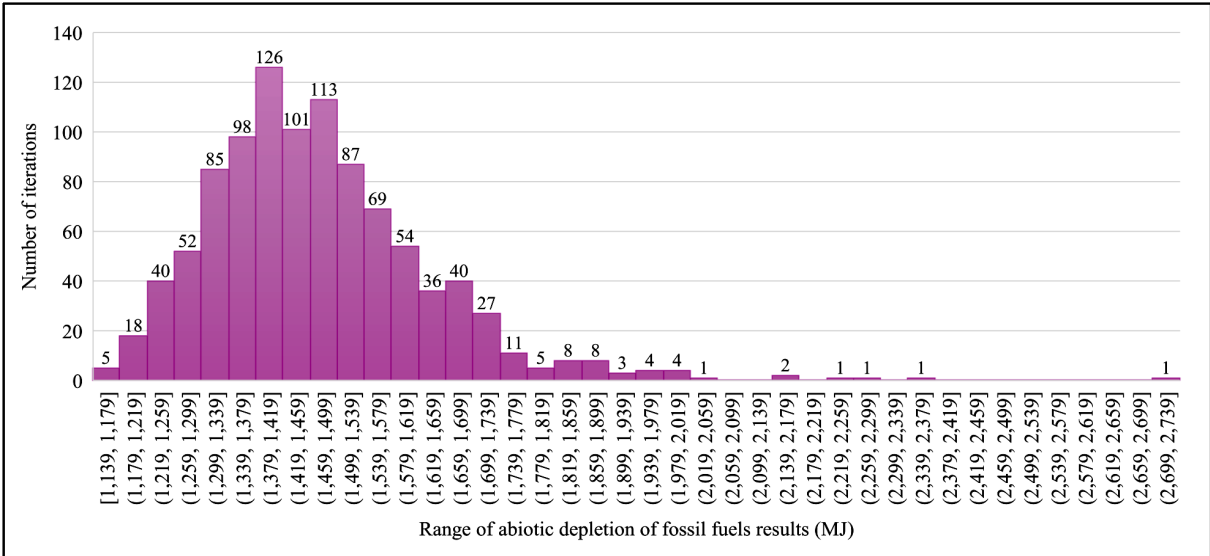
Conventional Roof

- Terrestrial ecotoxicity



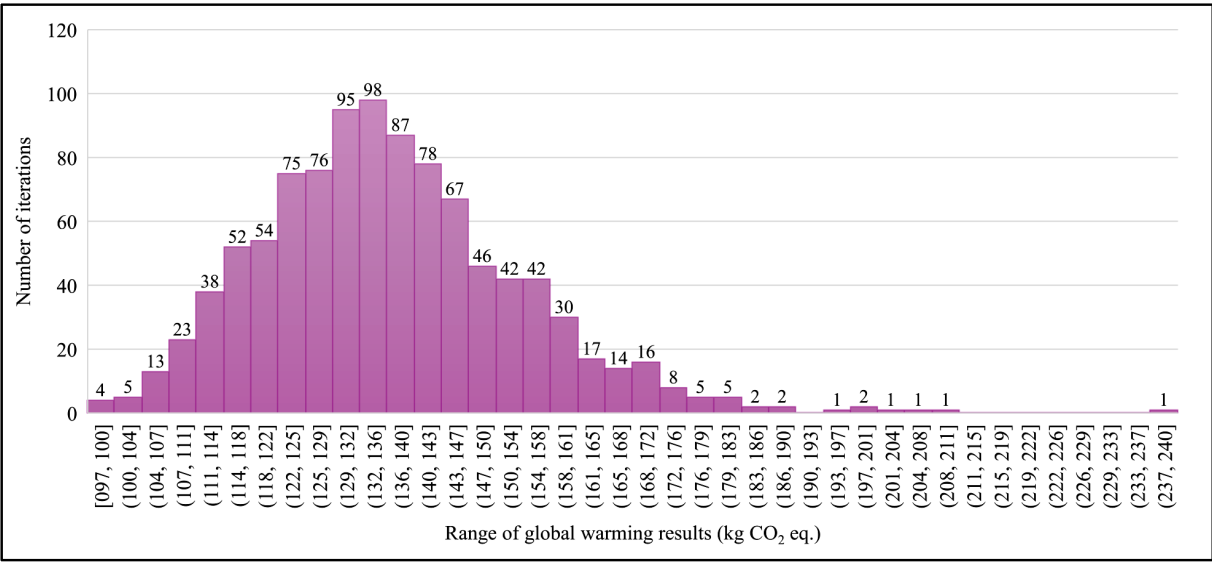
Extensive Green Roof A

- Abiotic depletion of fossil fuels



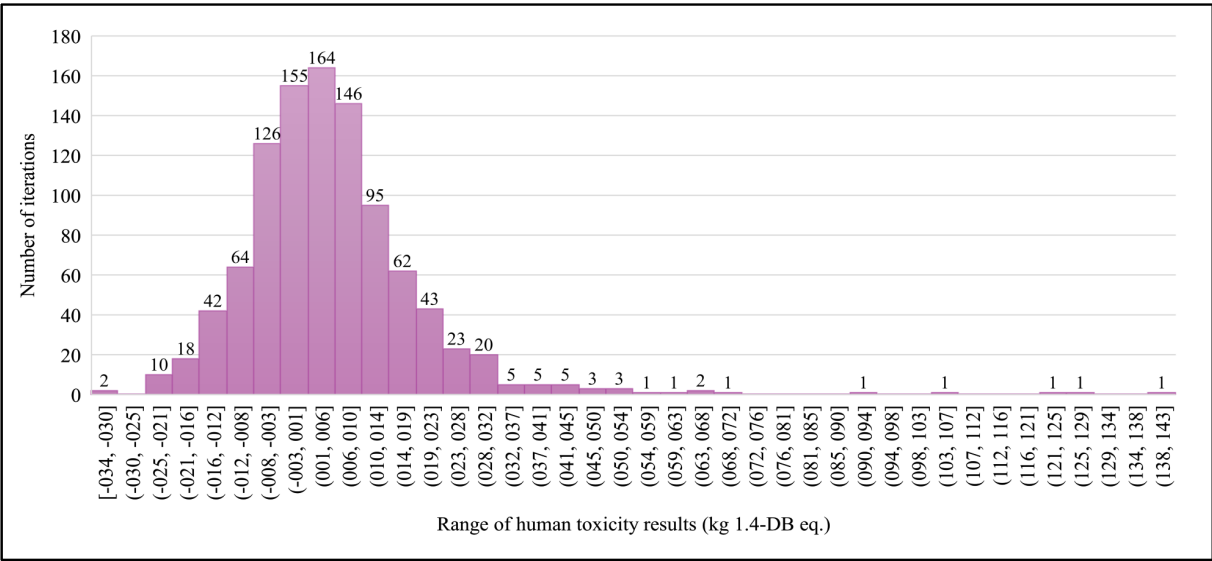
Extensive Green Roof A

- Global warming



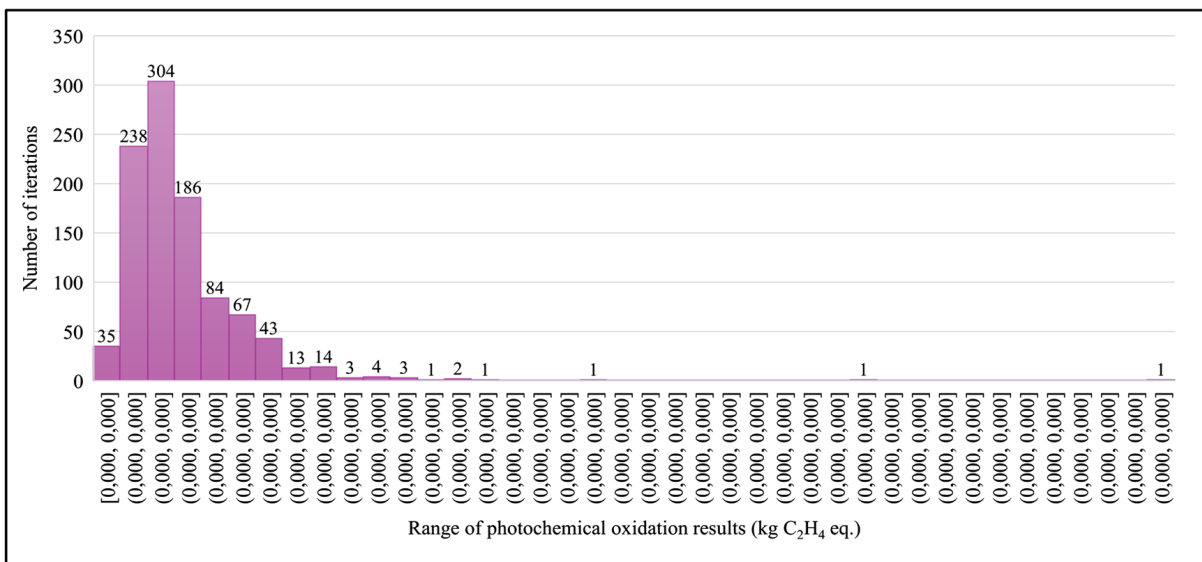
Extensive Green Roof A

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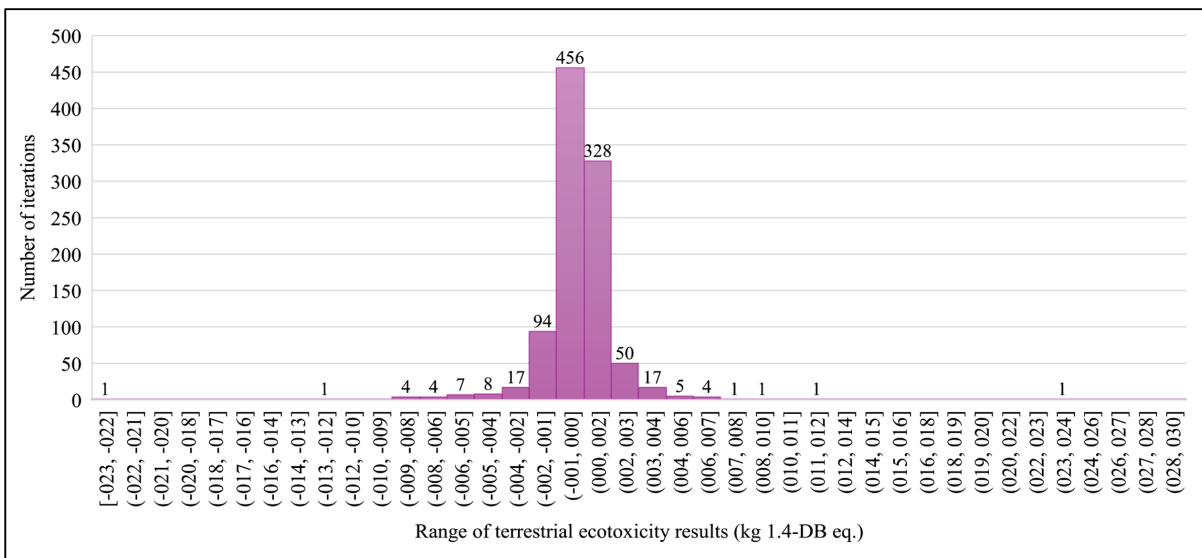
Extensive Green Roof A

- Photochemical oxidation



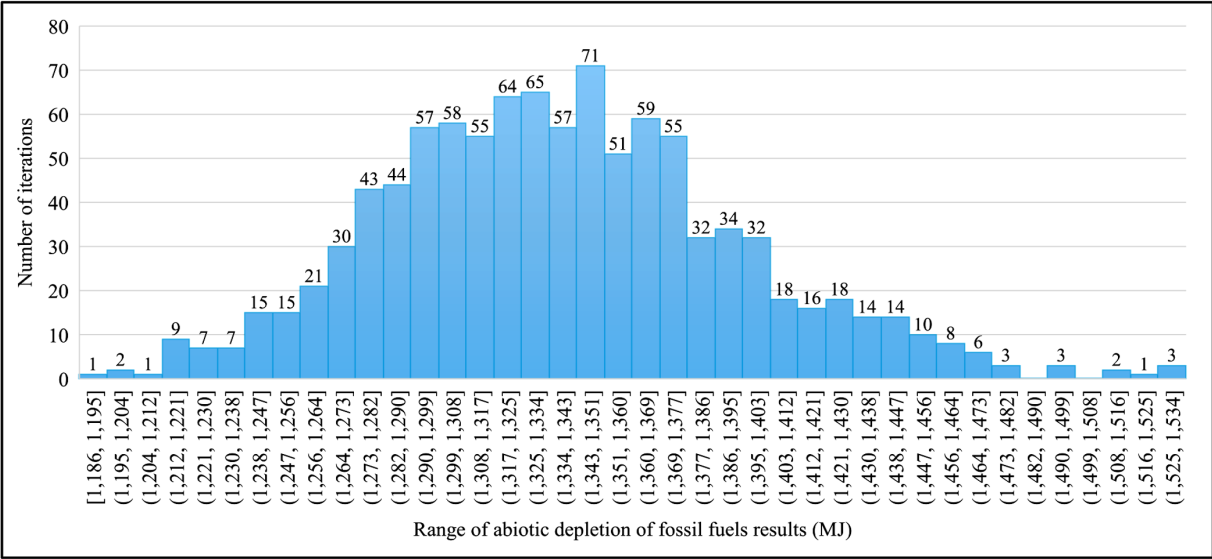
Extensive Green Roof A

- Terrestrial ecotoxicity



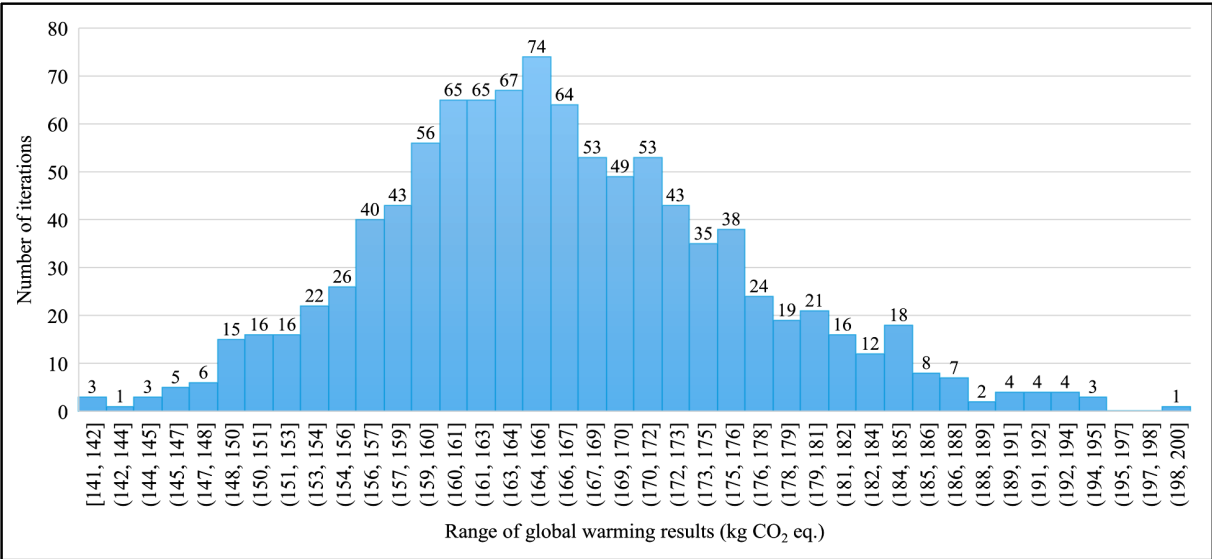
Intensive Green Roof A

- Abiotic depletion of fossil fuels



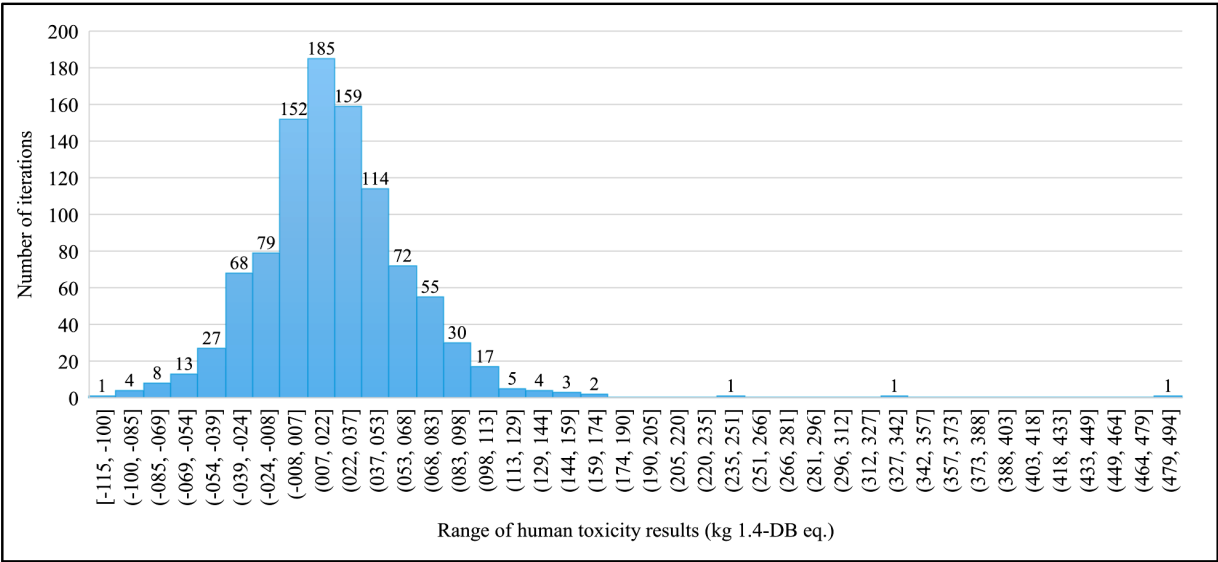
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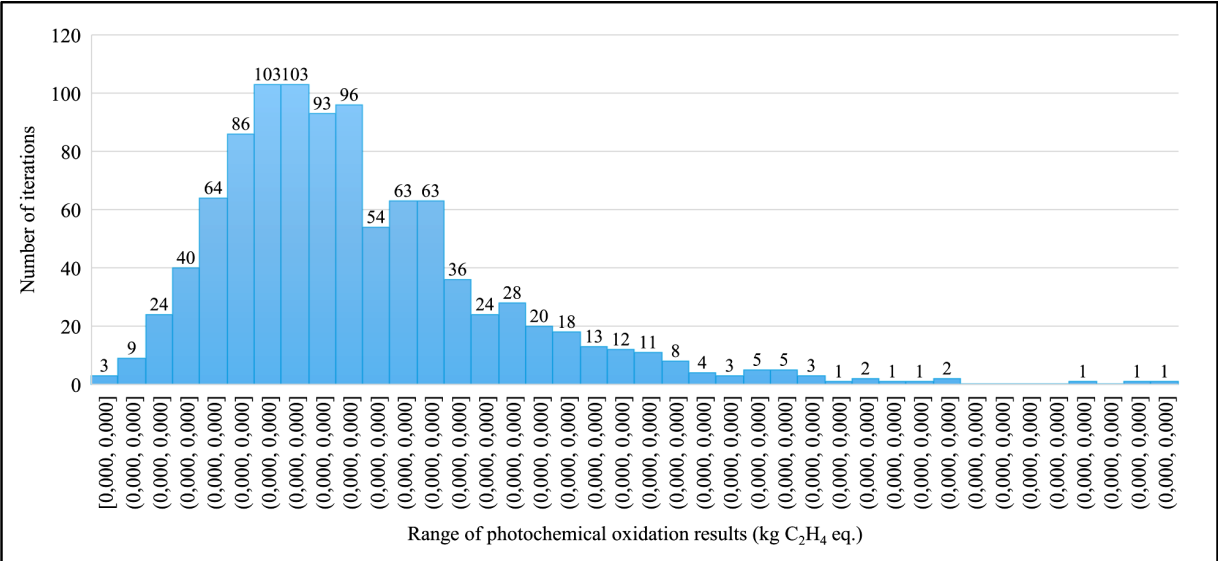
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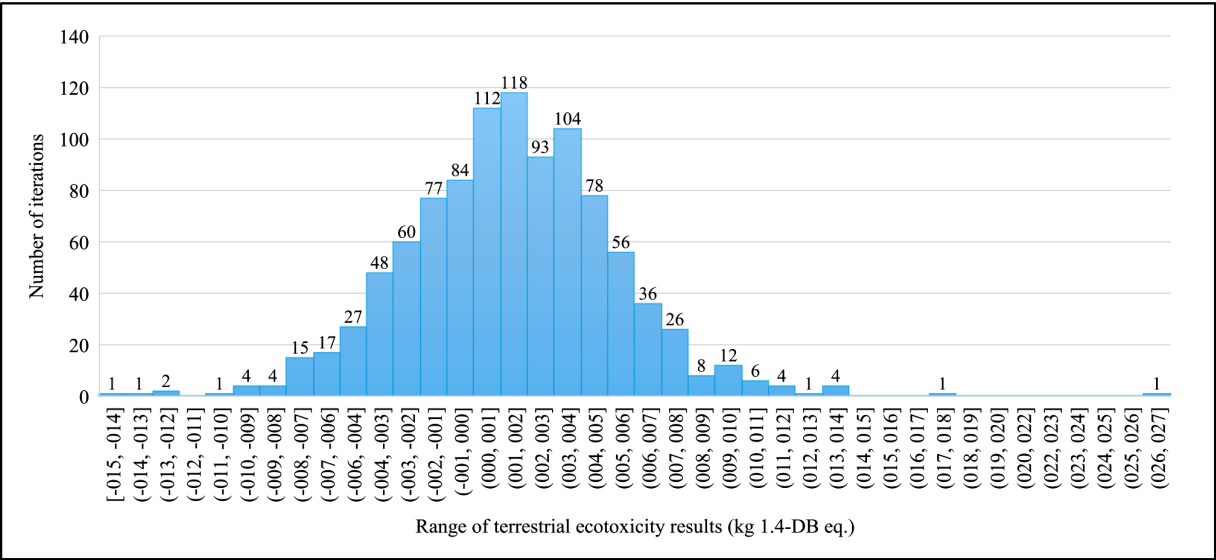
Intensive Green Roof A

- Photochemical oxidation



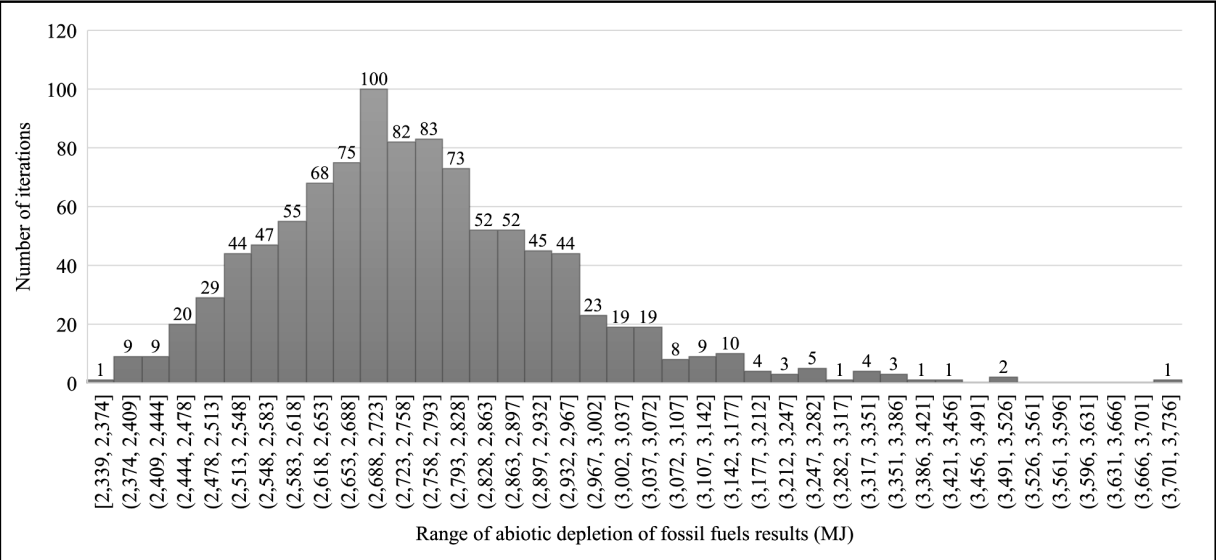
Intensive Green Roof A

- Terrestrial ecotoxicity



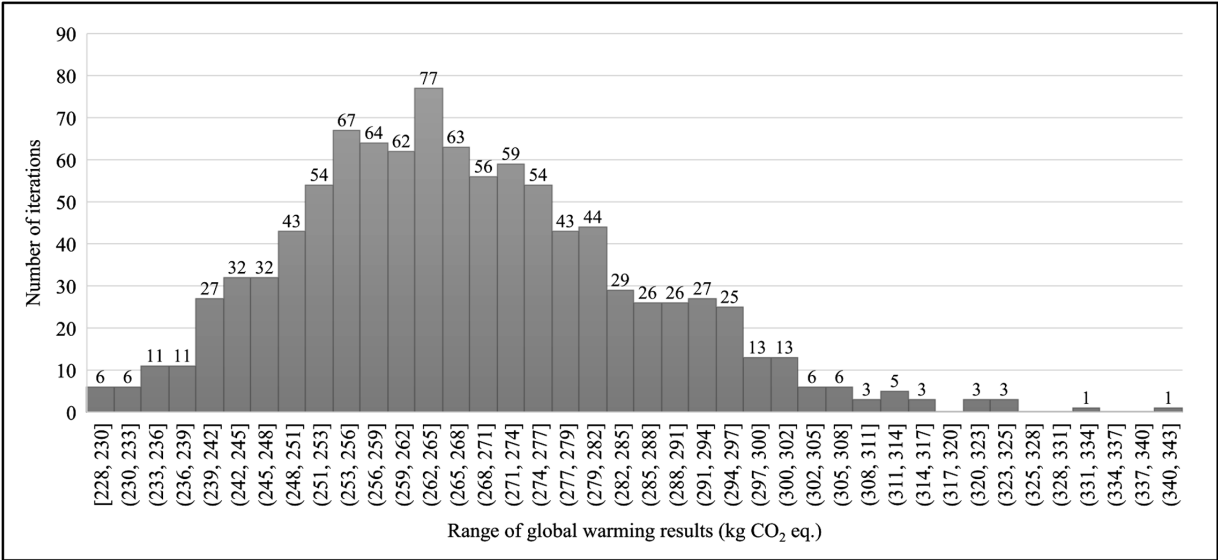
Intensive Green Roof B

- Abiotic depletion of fossil fuels



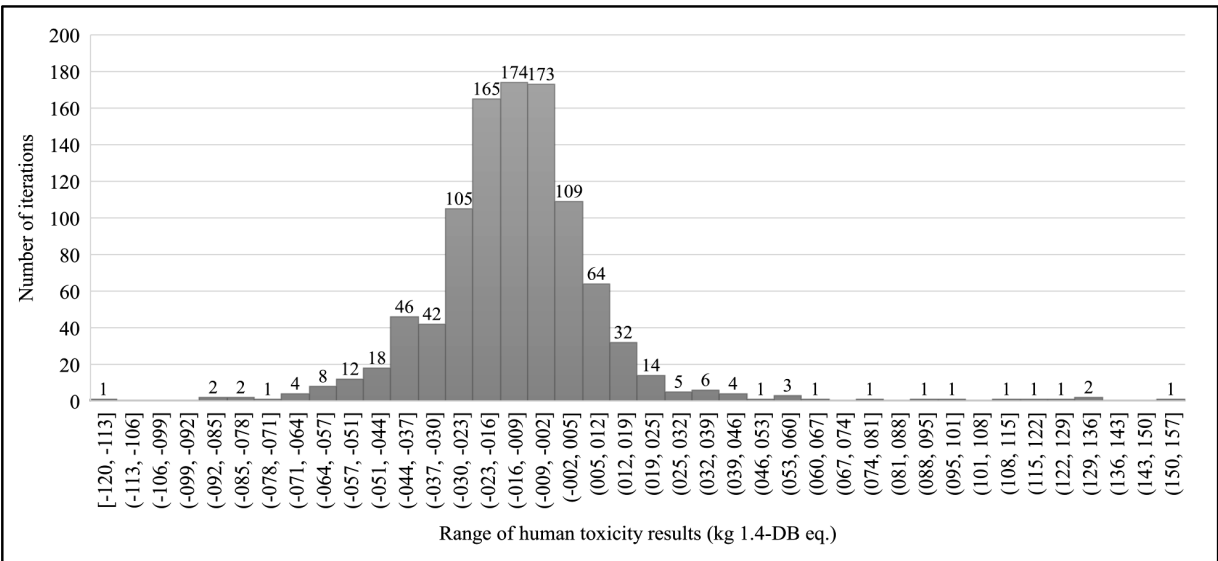
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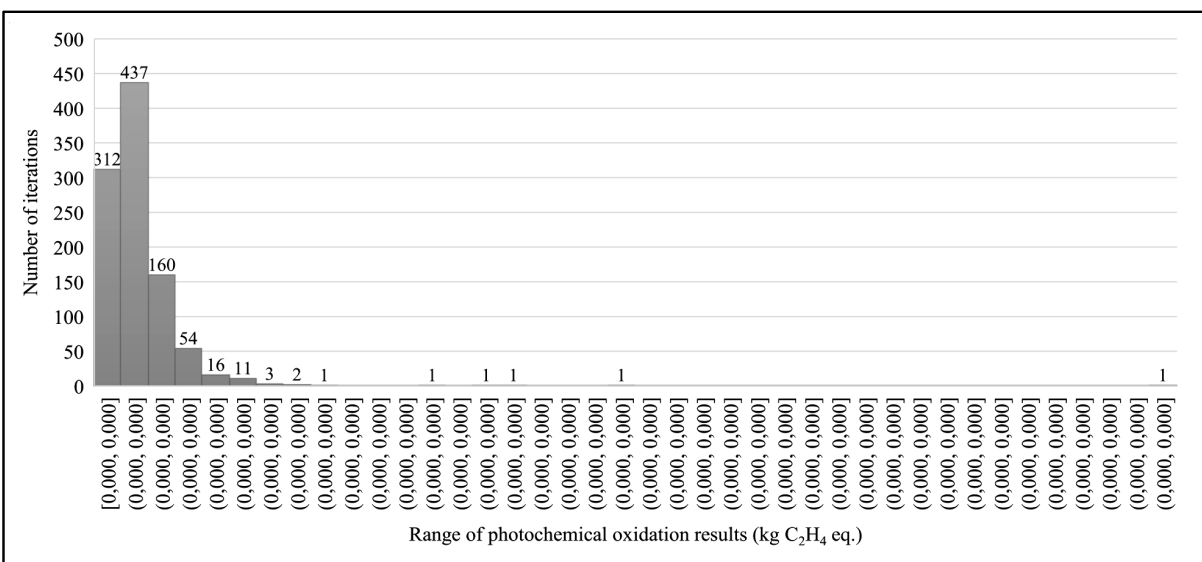
Intensive Green Roof B

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Intensive Green Roof B

- Photochemical oxidation



Intensive Green Roof B

- Terrestrial ecotoxicity

