

*Presented at*



# Auroville Green Practices

Seminar and Site Visits  
26-28 August, 2010

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Akash Heimlich



# Aquaponics



# Aquaponics



*The merging of Aquaculture and Hydroponics*

- Growing Plants
- Growing Fish
- Soil-less environment
- Organic in its nature
- Minimal water use
- Minimal care
- High yield



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*What is Aquaponics?*

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# How is it built?

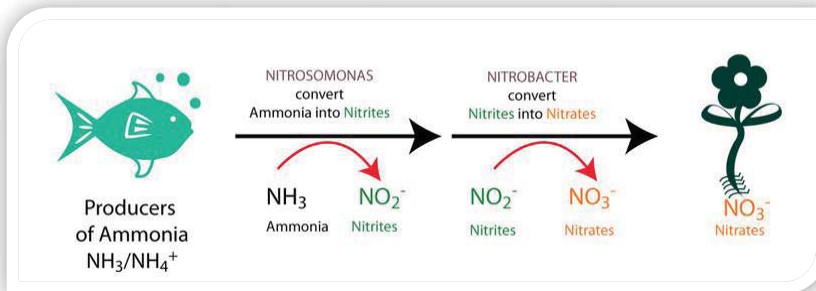
- Fish Tank
- Sump Tank
- Grow Beds
- Timer
- Water Pump
- Green house
- Air Pump



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# How it works



- Fish Waste
- Nitrogen Cycle
- Grow Bed Filtration

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## Growing plants



- Any vegetable or plant
- Vertical space usage
- Spacing of plants
- No crop rotation



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- High stocking densities
- Proper aeration
- High protein feed
- Either ornamental or edible



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## The fish

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- Tested a small setup at home
- Built a larger scale greenhouse
- Ongoing research

Our research so far

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Our research so far

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