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(57) Abstract :
 The present disclosure discloses a system for purification of water, characterized in that the system comprises a water passage, a filtration pad comprising graphene oxide nanoparticles and silver nanowires, wherein the filtration pad is fixed inside the water passage, at least one cotton pad fixed on each side of the filtration pad inside the water passage, electrodes connected to the cotton pads, at least one magnet fixed before the position of filtration pad surrounding the water passage.

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