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-  Probing the mechanism of gelation and anion sensing capability of a thiazole-based amide gelator: A case study  
**Ajaykumar Manibhai Patel**, Debes Ray, Vinod Kumar Aswal, Amar Ballabh\*, *Colloids and Surfaces A* 607 (2020) 125430
  
  -  Probing the supramolecular assembly in solid, solution and gel phase in uride based thiazole derivatives and its potential application as iodide ion sensor  
**Ajaykumar Manibhai Patel**, Debes Ray, Vinod Kumar Aswal, Amar Ballabh\*, *Journal of Molecular Liquids* 362 (2022) 119763.
  
  -  A library of benzimidazole based amide and urea derivatives as supramolecular gelators – A comparative study  
**Ajaykumar Manibhai Patel**, Varsha Bhardwaj, Debes Ray, Vinod Kumar Aswal, Amar Ballabh\*, *Journal of Molecular Liquids* 395 (2024) 123858.
  
  -  Stimuli responsive gelation of tert-butylacetic acid based LMOGs – applications in remediation of marine oil spills, dye removal and heavy metal Sensing  
Varsha Bhardwaj, **Ajaykumar Manibhai Patel**, Amar Ballabh\*, *Soft matter*, 19 (2023) 8595.
  
  -  New Ureas and Amides - An Account of Recent Trends and Developments in Low Molecular Weight Gelators  
Ajaykumar Manibhai Patel, Varsha Bhardwaj and Amar Ballabh\*, *Current Organic Chemistry*, DOI: 10.2174/0113852728277924231124094902
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