



RECOVERY OF ELECTROLYTIC CU FROM CONTAMINATED CUPROUS SOLUTIONS

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Abstract:

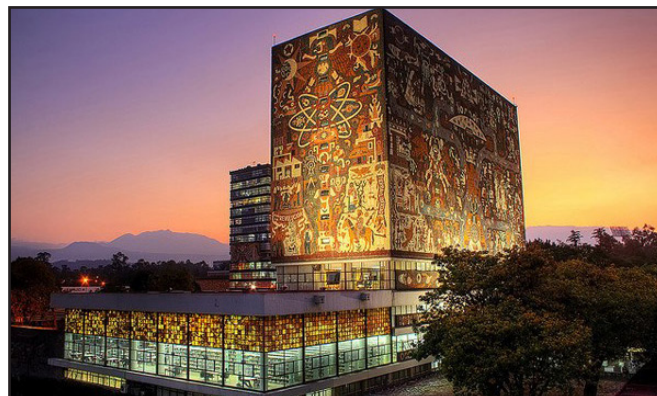
The industrial activity in our days produces large amounts of mixtures of diverse substances. We have the wastes of cuprous solutions dumped in aqueous bodies and the earth. Currently, there are chemical methods for the recovery of copper present in those solutions. The problem arises in the economic costs of applying these methods within the industries that produce these polluting solutions. The application of patent methods for the recovery of Cu as nanoparticles is another of the investigations that are taking place. The restoration of copper to produce coatings are methods to be applied in the recovery of copper from contaminating solutions.

Biography:

Barbara Gonzalez Rolon has completed his Ph.D. in Materials Science at 1997 from México in Universidad Autónoma de México. She is the Director of Materials Laboratory of DICIS Universidad de Guanajuato México. She has published more than 43 papers in reputed journals and has been serving as an editorial board member of repute.

Recent Publications:

1. R.D.van der WeijdenJ.MahabiraA.AbbadibM.A.Reutera (2002) "Copper recovery from copper(II) sulfate solutions by reduction with carbohydrates" ELSEVIER Hydrometallurgy Vol. 64, No. 2, p.p.131-146. [https://doi.org/10.1016/S0304-386X\(02\)00031-2](https://doi.org/10.1016/S0304-386X(02)00031-2).



2. Yi-HsuanChouKwang-HoChoobShiao-ShingChenc-Jui-HsuanYudChing-YuPengaChi-WangLia(2018) "Copper recovery via polyelectrolyte enhanced ultrafiltration followed by dithionite based chemical reduction: Effects of solution pH and polyelectrolyte type" ELSEVIER Separation and Purification Technology Vol. 198. p.p 113-120
3. S.ChellammalS.RaghuP.KalaiselviG.Subramanian (2010) "Electrolytic recovery of dilute copper from a mixed industrial effluent of high strength COD" ELSEVIER Journal of Hazardous Materials. Vol. 180, No. 1-3, p.p. 91 -97.<https://doi.org/10.1016/j.jhazmat.2010.03.103>