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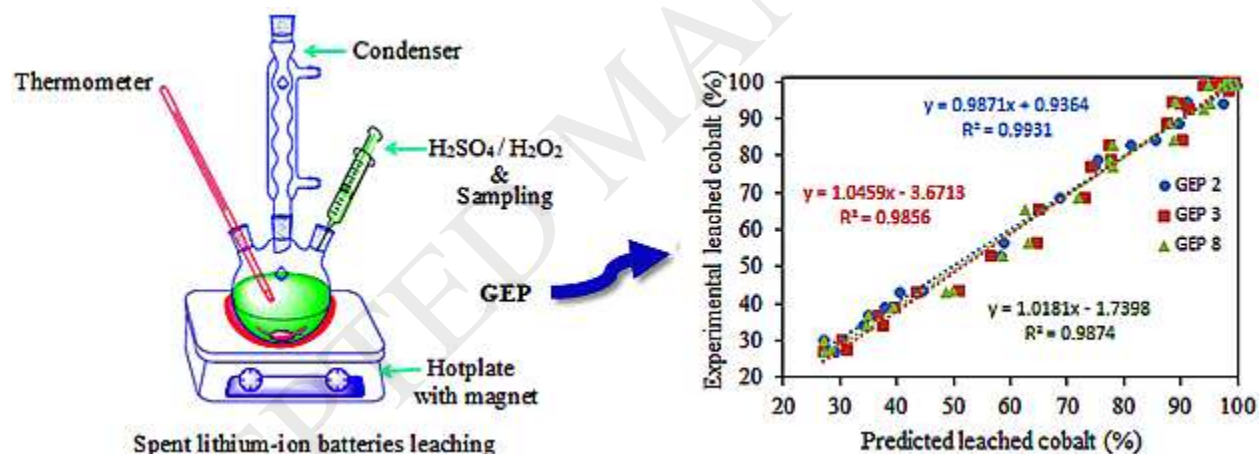
# A novel predictive model for estimation of cobalt leaching from waste Li-ion batteries: Application of genetic programming for design

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## Graphical abstract



## Highlights

- Modeling of spent LIBs leaching reaction using gene expression programming (GEP);
- Presenting of 3 precision GEP models to predict the cobalt leached percentage;
- Finding and studying the most effective factors on the cobalt leaching from spent LIBs;
- Reducing leaching efficiency of spent LIBs was about 99%.

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