



## Personal Information

### Name – Surname:

Yaşar Kemal RECEPOĞLU

### Date and Place of Birth:

March 30, 1992/ Antakya, TURKEY

### Nationality:

Republic of Turkish

### Address:

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## Education

### PhD:

2017 – ... İzmir Institute of Technology  
Graduate School of Engineering and Natural Sciences  
Department of Chemical Engineering  
Urla/İzmir, TURKEY

### MSc:

2015 – 2017 Ege University  
Graduate School of Applied and Natural Sciences  
Department of Chemical Engineering (English)  
Bornova/İzmir, TURKEY

### BSc:

2010 – 2015 Ege University, Faculty of Engineering  
Department of Chemical Engineering (English)  
Bornova/İzmir, TURKEY  
Graduation Degree: 3.91/4.00 (1<sup>st</sup> Degree)

## Work Experience

Feb 2017 – ... Research Assistant  
İzmir Institute of Technology  
Department of Chemical Engineering  
Gülbahçe, Urla/İzmir, TURKEY

Sept 2016 – Nov 2016 MSc Student  
The University of Kitakyushu  
Faculty of Environmental Engineering  
Department of Chemical Engineering  
Hibikino, Kitakyushu, JAPAN

Aug 2014 – Sept 2014 Internship Student  
The University of Twente  
Faculty of Science and Technology  
Membrane Science and Technology Group  
Enschede, Overijssel, THE NETHERLANDS

Jul 2013 – Aug 2013 Internship Student  
Hatboru Plastic Pipe Inc.  
Antakya/Hatay, TURKEY

## Projects Involved

- Project No: 214M360 TÜBİTAK-JSPS (The Scientific and Technological Research Council of Turkey – Japan Society for the Promotion of Science) (2015 – 2017)
- Project No: 2019IYTE0178 (Scientific Research Projects of Izmir Institute of Technology) (2019 – 2020)
- Project No: 219M219 TÜBİTAK 1001 (The Scientific and Technological Research Council of Turkey) (2020 - ...)

## Academic

### Publications in Indexed Journals and Books

- **Y. K. Receptoğlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, Deboronation of geothermal water using N-methyl-D-glucamine based chelating resins and a novel fiber adsorbent: Batch and column studies, *Journal of Chemical Technology and Biotechnology*, (2017), 92: 1540–1547.
- **Y. K. Receptoğlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, K. Yoshizuka, S. Nishihama, M. Yüksel, Equilibrium and Kinetic Studies on Lithium Adsorption from Geothermal Water by  $\lambda$ -MnO<sub>2</sub>, *Solvent Extraction and Ion Exchange*, (2017), 35(3): 221–231.
- **Y. K. Receptoğlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, Elimination of Boron and Lithium Coexisting in Geothermal Water by Adsorption-Membrane Filtration Hybrid Process, *Separation Science and Technology*, (2018), 53(6): 856–862.
- **Y. K. Receptoğlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, Packed bed column dynamic study for boron removal from geothermal brine by a chelating fiber and breakthrough curve analysis by using mathematical models, *Desalination*, (2018), 437: 1–6.
- **Y. K. Receptoğlu**, N. Kabay, K. Yoshizuka, S. Nishihama, İ. Yılmaz-İpek, M. Arda, M. Yüksel, Separation of Lithium from Geothermal Water Using  $\lambda$ -MnO<sub>2</sub> Adsorbent in Adsorption-Membrane Filtration Hybrid Process, *Solvent Extraction and Ion Exchange*, (2018), 36(5): 499–512.
- M. Genişoğlu, A.Y. Gören, E. Balcı, **Y. K. Receptoğlu**, H. E. Ökten, Methylene Blue Removal of Fixed-Bed Column Reactor with Pumice and nZVI-Pumice: Experimental and Modeling Study, *Süleyman Demirel University Journal of Natural and Applied Sciences*, (2019), 23(2): 298–305.

- **Y. K. Receptođlu**, A. Yüksel, Synthesis, Characterization and Adsorption Studies of Phosphorylated Cellulose for the Recovery of Lithium from Aqueous Solutions, *Cellulose Chemistry and Technology*, (2021), 55 (3-4): 385-401
- A. Baba, **Y. K. Receptođlu**, H. Yazdani. Naturally Occurring Arsenic and Boron in Geothermal Systems and Their Health Effects: A Case Study from Turkey. In: Siegel M., Selinus O., Finkelman R. (eds) *Practical Applications of Medical Geology*. Springer, Cham. (2021), 615:635.
- **Y. K. Receptođlu**, A. Yüksel, Phosphorylated hazelnut shell waste for sustainable lithium recovery application as biosorbent, *Cellulose*, (2021), 28: 9837-9855
- **Y. K. Receptođlu**, A. Y. Gören, Y. Orooji, A. Khataee, Carbonaceous materials for removal and recovery of phosphate species: Limitations, successes and future improvement, *Chemosphere*, (2022), 287: 132177

#### **Oral Presentations at International Symposiums, Congresses, Conferences**

- **Y. K. Receptođlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, A Comparative Study for Removal of Arsenic from Water by a Cellulose Based Functional Fiber, Ion Exchange Resins and Inorganic Adsorbents, Uluslararası Su ve Çevre Kongresi (SUCEV 2018), March 22–24, 2018, Bursa, TURKEY
- **Y. K. Receptođlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, Chromatographic Separation of Boron from Geothermal Water using a Boron Selective Chelating Fiber Adsorbent, III. International Porous Powder Materials Symposium & Exhibition (PPM 2017), September 12–15, 2017, Kuşadası, Aydın, TURKEY
- **Y. K. Receptođlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, Simultaneous Separation of Boron and Lithium from Geothermal Water by Adsorption-Membrane Filtration Hybrid Process, 2<sup>nd</sup> IWA Regional International Symposium on Water, Wastewater and Environment (IWA-PPFW2017), March 22–24, 2017, Çeşme, İzmir, TURKEY
- **Y. K. Receptođlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, A Comparative Study for Selective Separation of Boron from Geothermal Water by A Novel Chelating Fiber Adsorbent and Boron Selective Ion Exchange Resins, IEX 2016: Ion Exchange – a continuing success story, July 06–08, 2016, Robinson College, Cambridge, UK

### **Poster Presentations at International Symposiums, Congresses, Conferences**

- **Y. K. Receptođlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, Comparison of Adsorption and Desorption Performances of Boron Selective Chelating Resins and Fibers for Separation of Boron from Geothermal Water, 9<sup>th</sup> Eastern Mediterranean Chemical Engineering Conference (EMCC 9), August 31–September 02, 2018, Ankara, TURKEY
- **Y. K. Receptođlu**, N. Kabay, İ. Yılmaz-İpek, M. Arda, M. Yüksel, K. Yoshizuka, S. Nishihama, Removal of Boron from Geothermal Water by a Novel Chelating Fiber, 1<sup>st</sup> International Black Sea Congress on Environmental Sciences (IBCESS), August 31–September 03, 2016, Giresun, TURKEY (*The Best Poster Award – 1<sup>st</sup> Place*)
- E. Altıok, **Y. K. Receptođlu**, N. Kabay, M. Arda, İ. İpek, M. Yüksel, S. Nishihama, K. Yoshizuka, Preparation of Solvent Impregnated Composite Fibre Adsorbents for Cr(VI) Removal from Aqueous Solution, IEX 2016: Ion Exchange – a continuing success story, July 06–08, 2016, Robinson College, Cambridge, UK

### **Poster Presentations at National Symposiums, Congresses, Conferences**

- E. Altıok, **Y. K. Receptođlu**, B. Çokçalışır, N. Kabay, İ. İpek, M. Yüksel, S. Nishihama, K. Yoshizuka, Removal of Cr(VI) from Aqueous Solution by Functional Composite Fiber, Activated Carbon and Polymer Adsorbent, III. Ege Composite Materials Symposium by International Participation, November 05–07, 2015, Kuşadası, Aydın, TURKEY