

CURRICULUM VITAE

Dr. Khogare Balaji Trimbak

Contact Details:

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Personal Details:

Date of Birth: 12/07/1988. **Marital Status:** Unmarried.

Research expertise:

- 1) Solvent extraction of Platinum group metals (Separation Science).
- 2) Superhydrophobic coatings for self-cleaning application.

Professional experience:

- 1) **From 04/10/2013 to 30/04/2018-** as a **Assistant Professor (Clock hour basis)** at Department of Chemistry, Raje Ramrao Mahavidyalaya, Jath Dist- Sangli.
- 2) **From 15/06/2018 to 30/04/2019-** as a **Assistant Professor for M.Sc. Analytical Chemistry (Contract basis)** at Department of Chemistry, Raje Ramrao Mahavidyalaya, Jath Dist- Sangli.

#Academic Credentials:

Sr. No.	Degree awarded	Name of university/ Board	Year of passing	Percentage Marks	Division
1.	Ph.D* (Chemistry)	Shivaji University, Kolhapur.	2018	-	-
2.	M.Sc. (Organic Chemistry)	Shivaji University, Kolhapur.	2012	58.92	Second
3.	B.Sc. (Chemistry)	Solapur University Solapur.	2010	60.80	First
4.	H.S.C.	Divisional board, Pune.	2006	45.83	Second
5.	S.S.C.	Divisional board, Latur.	2004	60.93	First

*Title of PhD Thesis: “**Liquid anion-exchange extraction and separation of precious metals by using 4-heptylaminopyridine**” under the guidance of Dr. B.N. Kokare, M.M. College, Panchgani Dist- Satara affiliated to Shivaji University Kolhapur.

MS-CIT passed with 88% marks.

#Research Articles Published in International Journals:

- 1) **B.T. Khogare**, M. A. Anuse, P. B. Piste and B. N. Kokare, Development of a solvent extraction system with 4-heptylaminopyridine for the selective separation of palladium(II) from synthetic mixtures, catalysts and water samples, **Desalination and Water Treatment (Taylor & Francis)**, 57, 2015, 21634-21644. (IF = 1.39).
- 2) **B.T. Khogare**, M. A. Anuse, P. B. Piste and B. N. Kokare, Development of a solvent extraction system with 4-heptylaminopyridine for the selective separation of platinum(IV) from catalysts, anticancer injections and water samples, **Analytical Methods (RSC)**, 8, 2016, 2156-2163. (IF = 1.900).
- 3) **Balaji T. Khogare**, Ganesh S. Kamble, Arjun N. Kokare, Sunil B. Zanje, Vishal J. Suryavanshi, Mansing A. Anuse, Pravina B. Piste, Balasaheb N. Kokare, Development of novel solvent extraction method for determination of gold(III) using 4-heptylaminopyridine: Application to alloys and environmental analysis, **Journal of Environmental Chemical Engineering (Elsevier)**, 4, 2016, 3075–3083.

- 4) **Balaji T. Khogare**, Makarand K. Sakate, Pravina B. Piste, Balasaheb N. Kokare, Liquid-liquid extraction of ruthenium(III) from malonate media by novel 4-heptylaminopyridine: application to alloys and environmental analysis, **Proceeding of International Conference on Advances in Materials Science ISBN 978-93-5254-490-5, 1, 2016, 192-198.**
- 5) **B.T. Khogare**, Umesh A. Barache, Shashikant H. Gaikwad, Mansing A. Anuse, Pravina B. Piste and Balasaheb N. Kokare, Ion-pair based liquid-liquid extraction of rhodium(III) from malonate media using 4-heptylaminopyridine as an extractant: analysis of alloys and environmental relevant matrices, **Analytical Chemistry Letters (Taylor & Francis), 8 (2), 2018, 230-243.**
- 6) Sunil B. Zanje, Arjun N. Kokare, Vishal J. Suryavanshi, Gurupad D. Kore, **Balaji T. Khogare** and Mansing A. Anuse, Extractive Spectrophotometric Determination of Platinum in Cisplatin Injection, Alloys and Catalysts Assisted by 2-nitrobenzaldehydethiocarbohydrazone, **Journal of Trace Analysis in Food and Drugs, 2, 2016, 1-24.**
- 7) **Balaji T. Khogare**, S.R. Kulal, K.K. Rangar, G.D. Salunkhe, P.G. Pawar, M.H. Karenavar, P.M. Kadam and Sanjay S. Latthe, A polystyrene modified sponges for effective oil/water separation, **Proceeding of International conference on Advances in Materials Science ISBN 978-93-5254-490-5, 2, 2016, 219-221.**
- 8) **Balaji T. Khogare**, Rajaram S. Sutar, Krishna K. Rangar and Sanjay S. Latthe, Recent advances in carbon soot coated Superhydrophobic materials for Oil-water separation (short review), **(Special Issue for ICAMS 2017) Advances in Material Science ISBN: 978-81-931247-6-5, 2017, 64-67.**
- 9) **Khogare Balaji T.**, Kulal Shivaji R, Rangar Krishna K, and Kokare Balasaheb N, Medicinal uses of neem (*Azadirachta indica*) in human life: A Review, **International Journal of Life Sciences, Special Issue A 9, 2018, 1-4.**
- 10) Umesh B. Barache, **Balaji T. Khogare**, Abdul B. Shaikh, Sachin A. Deodware, Balasaheb N. Kokare, Angel G. Polanco Rodriguez, Tukaram N. Lokhande, Shashikant H. Gaikwad, Selective and sensitive liquid-liquid extraction and spectrophotometric determination of tellurium(IV) using sulfur containing reagent, **Chemical Data Collections (Elsevier), 19, 2019, 1-41.**

Member of Scientific organization:

- 1) Member, Hong Kong Chemical, Biological & Environmental Engineering Society.
- 2) Member, Chemical Society of Japan.
- 3) Member, EuroScience.
- 4) Life Member of Association of Separation Scientists and Technologists (ASSET), BARC, Mumbai, India.

Reviewer of Scientific Journals:

- 1) IASET: International Journal of Applied Chemistry and Pharmaceutical Sciences.
- 2) Science Journal of Analytical Chemistry (SJAC).
- 3) Macromolecular Symposia (Wiley Online Library).

Editorial Board Member of SCIREA Journal of Chemistry (Science Research Association).

Worked as a Technical Programme Committee member in International Conferences:

- 1) Worked as a **member of local organization committee** in International Conference on Advances in Material Science (**ICAMS 2016**) on 7-8 December 2016 organized by Post-graduate Dept. of Physics, Rajee Ramrao Mahavidyalaya, Jath Dist- Sangli (M.S) **India.**
- 2) Worked as a **Technical Committee member** in The 1st International Conference on Sustainable Development of Water and Environment (**ICSDWE 2018**), Jan. 18th-19th, 2018, Shen Yang, **China.**
- 3) Worked as a **Technical Committee member** in International Conference on Biological, Pharmaceutical and Chemical Engineering (**BPCE2018**), January 21-22, 2018 in Shenzhen, **China.**
- 4) Worked as a **International Scientific Committee member** in International Conference on Power, Energy and Environmental Engineering (**ICPEEE 2018**), February 7-8, 2018, held at Wuhan, **China.**

- 5) Worked as a **Technical Program Committee member** (Reviewer) in International Workshop on Environmental Management, Science and Engineering (**IWEMSE 2018**), 16-17 June 2018, held at Xiamen, Fujian, **China**.
- 6) Worked as a **Technical Program Committee member** (Reviewer) in the 4th International Conference on Water Resource and Environment (**WRE 2018**), July 17th-21st-2018, held at Kaohsiung City, **Taiwan**.
- 7) Worked as a **Technical Program Committee member** (Reviewer) in the Fourth International Symposium on Hydrogen Energy, Renewable Energy and Materials (**HEREM 2018**), 13-15 June 2018, held at **Bangkok**.
- 8) Worked as a **International Scientific Committee member** in the International Conference on Energy, Power and Materials Engineering (**EPME 2018**), April 22-23, 2018 in Beijing, **China**.
- 9) Worked as a **International Scientific Committee member** in the International Conference on Civil, Architectural and Environmental Engineering (**ICCAEE 2018**), December 10-12, 2018 in Wellington, **New Zealand**.
- 10) Worked as a **Technical Program Committee member** in the International Symposium on Hydrogen Energy and Energy Technologies (**HEET 2018**), November 14-16, 2018 in Nagoya, **Japan**.

Conferences/Seminars/Symposia Presented:

Sr. No.	Title of the paper presented	Title of Conference/Seminar	Organized by	International /National
1.	Liquid-anion exchange extraction and separation of palladium(II) by using 4-heptylaminopyridine	National Conference on Frontiers in Chemical and Material Sciences	Department of Chemistry, Shivaji University, Kolhapur (India) 16-17 January, 2015	National
2.	Liquid-liquid extraction of ruthenium(III) from malonate media by novel 4-heptylaminopyridine: application to alloys and environmental analysis	International Conference on Advances in Material Science	Raje Ramrao Mahavidyalaya, Jath Dist-Sangli (India) 7-8 December, 2016	International

3.	A polystyrene modified sponges for effective oil/water separation	International Conference on Advances in Material Science	Raje Ramrao Mahavidyalaya, Jath Dist-Sangli (India) 7-8 December, 2016	International
4.	Preparation of zinc ferrite by oxalate co-precipitation method	National Conference On Recent Trends in Nanomaterials	Department of Nanoscience and Technology, Yashavantrao Chavan Institute of Science, Satara (India) 28 th Sept. 2017	National
5.	Recent advances of carbon soot coated superhydrophobic materials for oil-water separation (Short Review)	Second International Conference on Advances in Material Science	Raje Ramrao Mahavidyalaya, Jath Dist-Sangli (India) 22-23 December, 2017	International
6.	Medicinal uses of neem (Azadirachta indica) in human life	Recent Advances in Zoology	Raje Ramrao Mahavidyalaya, Jath Dist-Sangli (India) 13 th January, 2018	National
7.	Rapid and Selective Spectrophotometric Determination of Ru(III) from Synthetic Mixtures, Fission Alloy and Catalysts	Emerging Trends in Separation Science and Technology	BARC Mumbai, held at BITS Pilani, K.K. Birla Goa Campus, Goa 23-26 May, 2018	International

International/National level Workshop/Conference Attended- 10