

Валентин Александрович Авраменко

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Валентин Александрович Авраменко, доктор химических наук, член-корреспондент РАН, заведующий отделом сорбционных технологий Института химии ДВО РАН, руководитель Кластера химических кафедр Школы естественных наук ДВФУ, специалист в области теории и практики направленного синтеза функциональных высокоселективных сорбционных материалов.

Родился в 1952 году в городе Фергана Узбекской ССР. С 5 лет научился читать, в школе увлёкся химией, чему способствовало то, что его мать, работавшая в химцехе ТЭЦ лаборантом, иногда приносила ему для опытов стеклянную химическую посуду. После школы поступил в Дальневосточный государственный университет на химический факультет. В 1974 году закончил ДВГУ и стал работать в Институте химии ДВНЦ АН СССР, в 1977 году защитил кандидатскую диссертацию. Сначала работал в лаборатории абсорбции, позднее перешел в лабораторию сорбционных процессов, с 1988 года стал её заведующим. С 1993 года лаборатория занялась поисками решений проблем переработки радиоактивных отходов. В 2003 году В. А. Авраменко защитил докторскую диссертацию. С 2007 года являлся экспертом МАГАТЭ в области технологий обращения с радиоактивными отходами. В 2008 году был избран членом-корреспондентом РАН по Отделению химии и наук о материалах (нанотехнологии, функциональные материалы).

В работах Авраменко теоретически и экспериментально обоснован принципиально новый подход к получению методами золь-гель технологии композитных сорбентов в пористых матрицах, выявлены

закономерности изменения сорбционных свойств селективных наноразмерных сорбентов в различных средах, разработаны теоретические модели, описывающие процесс реагентной сорбции. Под его руководством велись работы по применению гидротермального метода переработки радиоактивных отходов атомных электростанций (АЭС), содержащих высокоустойчивые комплексы радионуклидов с органическими лигандами; разработан ряд новых макропористых катализаторов для повышения эффективности процесса гидротермального окисления.

Благодаря социально значимым работам по созданию принципиально новых сорбционно-реагентных материалов для извлечения долгоживущих радионуклидов цезия и стронция и переработке жидких радиоактивных отходов на объектах Тихоокеанского флота Валентин Александрович хорошо известен не только в научной среде, но и жителям Приморского края.

Под его руководством и с использованием разработанных в Институте химии ДВО РАН материалов проводились успешные испытания новых технологий на Курской АЭС, Нововоронежской АЭС, Чернобыльской АЭС. В списке важнейших достижений Дальневосточного отделения и Отделения химии и наук о материалах РАН всегда присутствуют работы, выполненные под руководством Валентина Александровича Авраменко. Технология гидротермальной переработки кубового остатка АЭС с реакторами типа РБМК, прошедшая испытания на системе спецводоочистки первой очереди Курской АЭС, вошла в список важнейших достижений РАН.

В 2004 году результаты В.А. Авраменко и его коллег по внедрению новых сорбционных технологий переработки жидких радиоактивных отходов были отмечены медалью V Международного форума «Высокие технологии XXI века», а в 2009 году за вклад в развитие фундаментальной науки и использование ее потенциала для решения технологических задач государственного значения В.А. Авраменко был награжден медалью ордена «За заслуги перед Отечеством II степени».

[Ссылка](#) на материалы, использованные для написания статьи.

Интервью с Валентином Александровичем, приуроченное к его 60-ти летнему юбилею:

http://ankulikova.blogspot.com/2012/05/blog-post_20.html

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