

Юрий Александрович Шуколюков



12.04.1929г. - 02.03. 2013г.

2 марта 2013 года ушёл из жизни доктор химических наук, профессор, заслуженный деятель науки РФ Юрий Александрович Шуколюков.

Юрий Александрович Шуколюков родился 12 апреля 1948 года в семье служащих.

В 1953 году — окончил химический факультет Ленинградского университета, после чего работал в Радиевом институте АН СССР, затем во Всесоюзном научно-исследовательском геологическом институте (ВСЕГЕИ) Мингео СССР.

С 1956 по 1959 годы — учился в аспирантуре Лаборатории геологии докембрия АН СССР под руководством профессора Э. К. Герлинга.

В 1959 году — защитил кандидатскую диссертацию по изотопным аномалиям благородных газов в урановых минералах и был оставлен в качестве научного сотрудника в той же лаборатории (позже преобразованной в Институт геологии и геохронологии докембрия АН СССР).

В 1969 году — защитил докторскую диссертацию, посвященную вопросам геохимии изотопов благородных газов; до 1979 года работал в институте в должности старшего научного сотрудника; одновременно преподавал в Ленинградском университете в качестве доцента (1967—1970), затем профессора кафедры геологии месторождений полезных ископаемых (1970—1979).

Более 20 лет, с 1979 по 2001 год, Юрий Александрович был заведующим лабораторией геохимии изотопов и геохронологии Института геохимии и аналитической химии имени В. И. Вернадского, а с 1981 по 1989 гг. также заместителем директора этого института.

Ю.А. Шуколюков много лет преподавал изотопную геохимию и геохронологию студентам кафедры геохимии геологического факультета Московского государственного университета им. М.В. Ломоносова, с 1981 по 2001 г. он был профессором этой кафедры, руководил лабораторией геохимии изотопов (1984).

В 2001 году — вернулся в родной город Санкт-Петербург, где продолжал научную работу в Институте геологии и геохронологии докембрия и преподавал на геологическом факультете Санкт-Петербургского Университета на организованной им кафедре изотопной геохимии.

Юрий Александрович был выдающимся учёным, известным во всем мире. Область его интересов: изотопная геология, геохимия и космохимия изотопов, изотопная геохронология, метеоритика. Юрий Александрович изучал поведение изотопных систем при различных физико-химических условиях и на этой базе им были разработаны и внедрены в России — нейтронно-активационные методы изотопной геохронологии. На их основе исследовались закономерности распределения радиогенных, космогенных и захваченных благородных газов в пробах лунного грунта и в метеоритах и на ранних этапах эволюции вещества Земли. Впервые в СССР применил изотопный рубидий-стронциевый, уран-ксеноновый, методы для определения возраста пород и минералов Земли, Луны и метеоритов; создал новый ксеноновый метод изотопной геохронологии для датирования урановых месторождений.

Ю.А. Шуколюков разработал и впервые применил оригинальные варианты методов определения изотопного возраста; им создан принципиально новый метод изотопной геохронологии, основанный на спонтанном делении ядер урана, для изотопного датирования урановых и золоторудных месторождений, разработал новые математические приемы интерпретации данных изотопной геологии.

В области геохимии изотопов впервые обнаружил и исследовал изотопные аномалии, вызванные природными ядерными процессами в радиоактивных минералах; предсказал (1966) новый тип радиоактивности — сильно асимметричный самопроизвольный распад ядер, подтвержденный позднейшими экспериментальными исследованиями; выполнил широкие исследования геохимии изотопов благородных газов. Впервые в СССР провел обширные исследования благородных газов в метеоритах и лунных пробах, обнаружил новые изотопные аномалии, связанные с первичным нуклеосинтезом разного типа и ядерными реакциями под действием космического излучения; на основании анализа данных об изотопном составе летучих элементов в метеоритах, мантии и океане Земли развивает идею о том, что носителями летучих элементов Земли были не углистые хондриты, как обычно принято, а иное вещество.

В последние годы он развивал изотопную геохронологию стратегического сырья — путём датирования непосредственно самородных металлов (золота, платиноидов, серебра) по уран-торий-гелиевому методу.

Результаты научных исследований Ю.А. Шуколюкова опубликованы более чем в 300 статьях в отечественных и зарубежных научных журналах.

В Московском и Ленинградском университетах подготовил и читал курсы "Ядерная геохронология", "Методы радиографии", "Геохимия изотопов", "Основы изотопной масс-спектрометрии".

Он уделял большое внимание воспитанию молодых учёных, им было подготовлено 15 кандидатов и докторов наук.

Председатель геохимической секции Ученого совета ГЕОХИ АН СССР (1980), заместитель председателя Комиссии по изотопной геохронологии АН СССР (1979), председатель Комитета по метеоритам АН СССР (1979), член Американского метеоритного общества.

Член редколлегии журналов АН СССР «Известия Академии наук СССР. Серия геологическая» (1986), «Геохимия» (1980), «Isotopenpraxis» (ГДР) (1987).

За исследования в области изотопной геохимии Юрий Александрович награжден Золотой медалью В.И.Вернадского (1993г.) и медалью «Дружба» СРВ (1998), присуждено почетное звание заслуженного деятеля науки и техники РФ.

Светлая память о Юрии Александровиче Шуколюкове надолго останется в сердцах коллег и друзей.

Текст составлен по материалам статей [из википедии](#), сайта [института геохимии и аналитической химии им. В.И. Вернадского](#), сайта [биография](#).

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