

# Анатолий Вениаминович Ванников



(1937–2018)

9 мая 2018 года ушел из жизни д.х.н., профессор Анатолий Вениаминович Ванников - выдающийся специалист в области физики полимеров, физической химии и электрохимии, инициатор и организатор исследований фото- и электронных процессов в функциональных полимерных материалах. Им и под его руководством выполнены оригинальные исследования в области химии сольватированных электронов и биэлектронов, быстропротекающих процессов в фотохимии и радиационной химии. Мировую известность ему принесли работы в области органических полупроводников, фоточувствительных донорно-акцепторных и фоторефрактивных материалов. По инициативе А.В. Ванникова были начаты работы по изучению принципиально нового явления - электролюминесценции в органических материалах, разработаны высокоэффективные светоизлучающие устройства на их основе.

В годы учебы на химическом факультете МГУ Анатолий Вениаминович избрал своей специальностью радиационную химию – область, развитие которой началось только в послевоенный период. Его студенческие и аспирантские годы совпали с созданием и первыми шагами лаборатории радиационной химии в МГУ (сейчас – лаборатория химии высоких энергий). Эту лабораторию, как и лабораторию аналогичного профиля в Институте физической химии АН СССР, возглавляла Наталия Алексеевна Бах, и уже в середине 1950х ею были инициированы исследования радиационно-химических превращений полимеров. Затем А.В. Ванников работал в ИЭЛАН, где в 1965 году защитил кандидатскую диссертацию

«Электрофизические свойства и метод получения полимерных органических полупроводников на основе полиэтилена и поливинилацетата» (в этом же году был опубликован его первый обзор в Успехах химии (всего за свою жизнь он подготовил для этого издания 10 обзоров). Там же в 1975 г. он защитил докторскую диссертацию «Экспериментальное исследование электронных процессов в конденсированных органических средах», а с 1979 г. возглавлял созданную им лабораторию (современное название – Лаборатория электронных и фотонных процессов в полимерных наноматериалах). Она устойчиво функционировала и после слияния института с ИФХ, с превращением в Институт физической химии и электрохимии им. А.Н. Фрумкина.

Очень многие научные тематики Анатолия Вениаминовича – их хорошо видно по списку его обзоров и книг - так или иначе были связаны с физикой полимеров. Они распространялись и на соседние области, в том числе электрохимию проводящих полимеров, в исследованиях которой в лаборатории А.В. Ванникова доминировала спектроскопическая составляющая. Появление этой «полианилиновой» тематики сблизило лабораторию с электрохимическим окружением в институте, обозначило после некоторого перерыва связь научных школ А.Н. Фрумкина и Н.А. Бах. Долгое время Анатолий Вениаминович занимался научными основами бессеребряной фотографии, заведовал кафедрой «Инновационные технологии в полиграфическом производстве» Московского государственного университета печати (с 2016 – Высшая школа печати и медиаиндустрии в составе Московского политехнического университета).

Анатолий Вениаминович был чутким научным руководителем, создавшим в своей лаборатории уникальную творческую атмосферу и дух сотрудничества, умевшим направлять и развивать потенциал своих сотрудников. Он был невероятно доброжелателен в общении с коллегами, всегда готов поделиться своей фантастической эрудицией.

Короткий официальный некролог «Памяти Анатолия Вениаминовича Ванникова» доступен в журнале Физикохимия поверхности и защита материалов, 2019, 55, 112.

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В период с 1989 до 2009 г. В.А. Ванниковым опубликованы также обширные учебные пособия по фотографическим процессам регистрации информации (совместно с Б.Т. Ложкиным), по процессам и технологиям цифровой печати, по электрографии и бесконтактному краскопереносу (совместно с Р.М. Уаровой), по методам и средствам научных исследований (совместно с Г.А. Бабушкиным).

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