

2022年度 海洋安全システム科学セミナーのご案内

バラティダサン大学のバブ先生に、化学物質が関わる**Environmental Forensics** (環境法医学)について、インドの文化、地理、歴史、教育制度などを含めて、ご講演いただきますので、学内外を問わずご出席ください。

なお、事前申し込みは必要ありません。Covid19感染対策のため、「三つの密」が発生しないよう、席の配置や人と人との間隔の確保、適切なマスク着用、手指消毒、窓開け換気などを徹底して開催しますので、ご協力をお願いいたします。

日時： 2022年9月28日(水) 13時～14時(質問時間を含みます)

場所： 神戸大学深江キャンパス 総合学術交流棟1F梅木Yホール

タイトル： Environmental Forensics of Emerging Chemical Contaminants

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Abstract

Scores of synthetic chemicals from our day-to-day usage are ultimately end up in the environment (hydrosphere, atmosphere, lithosphere and biosphere). The chemicals which are new to the environment or not been reported/identified, as well as their toxicological data seldom available are called as Emerging Chemical Contaminants (**ECCs** : 新たに出現している化学汚染物質). These chemicals pose as Endocrine Disrupting Chemicals (**EDCs** : 内分泌攪乱化学物質) for the wellbeing of human as well as resident organisms in the environment even at very trace level. India is a large country with 1.38 billion people and it is a Herculean task to manage the environment in a sustainable way. Often environmental monitoring gets least priority than scores of other issues of the people and the country. The environmental/toxicological data for most of the ECCs are not completely available, particularly for developing countries like India. Further, there is a need for achieving two important Sustainable Development Goals (**SDGs**) – ‘Clean Water and Sanitation and Life Below Water’ by 2030. Hence, we are focusing more on environmental monitoring and risk evaluation of ECCs such as pharmaceuticals, personal care products (**PPCPs**: 医薬品やパーソナルケア製品, antimicrobials : 抗菌剤, preservatives : 防腐剤), Plasticizers : 可塑剤 (phthalates and phenolics), UV stabilizers : 紫外線安定剤, etc. from the Indian rivers.

Ramaswamy Babu Rajendran is a full Professor in Bharathidasan University, Tiruchirappalli, India having more than 25 years of research and teaching experience. He has long association with Japan since he met Professors Ryo Tatsukawa and Shinsuke Tanabe of Ehime University in 1989. Subsequently he was associated with Dr. Hiroaki Tao at AIST Tsukuba from 1998 to 2005 as Post Doctoral Fellow. He was the National Project Coordinator-India for the United Nations University (UNU), Tokyo, Japan sponsored “Environmental Monitoring and Governance of POPs in Asian Coastal Hydrosphere (2005-2019: Phases IV to VII)” research (multi-institutional in Asia) project.

Bharathidasan University established in 1982, and was named after the great revolutionary Tamil Poet, **Bharathidasan** (1891-1964). The motto of the University "**We will create a brave new world**" has been framed from Bharathidasan's poetic words. The University has totally 4 Faculties, 16 Schools, 37 Departments and 29 Specialized Research Centres. It is also a degree awarding university having 150 affiliated colleges/institutions with 0.1 million students annual enrollment.

世話役： 堀江・岡村