

7th World Congress on Heart & Surgery

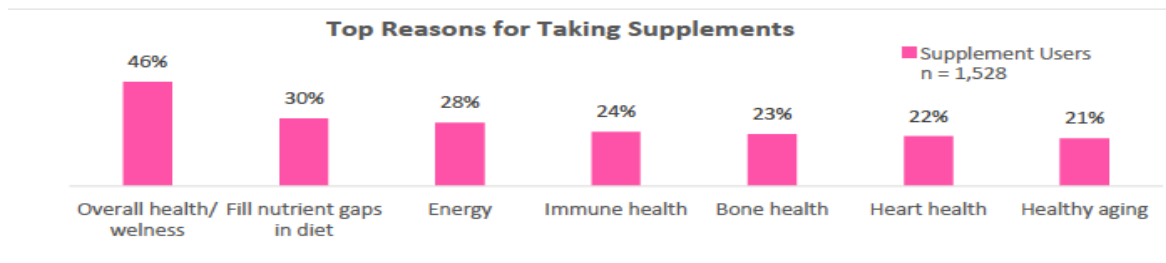
Counterfeits in Food; Dietary Supplements and Herbal Medicines- A Global Issue-Quality and safety

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FDA has identified an emerging trend where over-the-counter herbal products, frequently represented as dietary supplements, contain undeclared / hidden active ingredients that could be harmful. The global dietary supplements industry was valued more than USD 96 billion in 2017, and it is expected to reach USD XX billion by 2023, at a CAGR of 6.9%, during the forecast period.

The purpose of this talk is to describe the food ,herbal medicine & dietary supplement fraud i.e. deliberate substitution, addition, tampering or misrepresentation of ingredients or packaging about a product for economic gain, based on practical laboratory experiments and using authenticated plant samples and standard chemicals/medicines .Fraud involving foods & dietary supplements consist of substitution with cheap, less potent and spurious materials or diluting the valuable ingredient with an inexpensive one . Food items being used daily e. g. honey, olive oil, cranberry, pomegranate and spices particularly saffron & cinnamon also in chocolates, some of it have been found to contain PDE-5 inhibitors which may cause fatal side effects particularly with nitrates. Some estimates place the cost of food fraud globally as high as 10-15 billion dollars per year. Furthermore, Quite a number of these herbal medicines & dietary supplements—promoted mainly for weight loss, sexual enhancement, diabetes and bodybuilding—that are found to contain hidden or deceptively labeled ingredients, such as synthetic steroids,PDE-5 inhibitors or their analogs (closely-related drugs).These products look like dietary supplements but they do not qualify as dietary supplements/ ingredients. Some of these products contain hidden prescription ingredients at levels much higher than those found in an approved drug product and are dangerous to public health.



2017 CRN Consumer Survey on Dietary Supplements, was commissioned by the Council for Responsible Nutrition (CRN) and conducted by Ipsos Public Affairs.

Recent Publications

- 1-Kamil, M., Ferula asafetida-- A Comprehensive Scientific Study, 2021 KS OmniScriptum Publishing Brivibas gatve 197 LV-1039 Riga, Latvia .
- 2-Kamil, M., “Novel Natural Products from Plants and their Biological Implications” Lambert Academic Publishers,2021.
- 3-Kamil, M, ‘Sexual behaviour of Tribulus teresstris’, Biomedical Journal of Scientific & Technical Research, Vol.38,Issue 5, 30768-30774 (2021).
- 4-Kamil, M., Natural Herbal Medicines and Herbal Medicinal Products(HMPs) for Erectile Dysfunction & Sexual enhancement and Associated Risks :, 2021 KS OmniScriptum Publishing Brivibas gatve 197 LV-1039 Riga, Latvia.
- 5-Kamil,M., Know Your Medicines--Determination of Undeclared Chemicals in Slimming Herbal Medicines and their Associated Risk ,Lambert Academic Publishers,2021.

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Biography

Professor Dr. Mohammad Kamil, M.Sc.; M.Phil.; Ph.D.; D.Sc.; Chartered Chemist(U.K.) and Fellow Royal Society of Chemistry (London), worked in various capacities, as In-charge -Drug Standardization lab. Ministry of Health -India, Professor at Hamdard University, India; Head Department of Pharmacognostic Science ,Zayed Complex for Herbal Research & Trad. Medicine(ZCHRTM), Ministry of Health(MOHAP) UAE(1996-2010) ; Head TCAM Research at ZCHRTM, Department of Health(DOH)Abu Dhabi (2010-2020), presently working as Director General, Lotus Holistic Healthcare Institute , Abu Dhabi, UAE since March'2021.A recipient of many prestigious honours & awards viz Young Scientist's Award, India(1998); Common Wealth Award-London(1992); Convention Award of Chemical Society-India(1993); HakimAjmal Khan Shield (CCRUM-Govt. of India at Grant Medical College (1992);Academic Exchange Fellowship from Association of Common Wealth Universities –London(1993); Acted as an Expert on the panel of Union Public Service Commission (UPSC),India,2000. ;Man of the year 2002, ABI, USA Hakim Ajmal Khan Global Award in Unani Medicine, India(2014); Sheikh Zayed International Award in Herbal Research (2020) and various other prestigious honors & awards.Dr. Kamil produced 20 Ph. D. and M.Phil. students besides a large number of M. Sc. and Interns. More than 450 research papers in reputed journals & presentations at international conferences are at his credit,

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