

Review on Ingredients of Cosmetics and their Effect on Human Body

Sangita Anandrao Ghadge

Assistant Professor, Department of Botany

Loknete Gopinathji Munde Arts, Commerce and Science College, Mandangad, Ratnagiri, Maharashtra, India

ghadge.sangita@gmail.com

Abstract: *Cosmetics are the substances which are applied to body with the intension to improve the appearance or the quality. These products may use for different purposes. Generally cosmetics are taken to mean only makeup products, but Food and Drug Administration (FDA) of united state considers these products broadly as the substances which are used as cleansing, beautifying enhancing attractiveness without affecting the body's structure and function. Basically Cosmetics are mixture of chemical compound which may be animal or plant origin or derived from natural sources or may be synthetically prepared. Since ancient period these substances have been in use and continued till today. There are many evidences of negative adverse effect of cosmetics like deformities, blindness, swelling and inflammation of eyes dueto use of mascara, rashes on skin or blacking of skin due to heavy use of cosmetics. The adverse effect of these substances may associate with imbalance ingredients, or allergic compounds or possible reason may be hazardous additives. Numbers of harmful chemicals used in cosmetics viz., Lead in lipsticks, Formaldehyde in nail polishes etc. are the common ingredients. This review article focused on the use of various plants as source of cosmetics and their effect on human body.*

Keywords: Cosmetics

REFERENCES

- [1]. Ababneth FA, Abu-Sbeih KA, Al-Momani IF. (2013) . Evaluation of Allergenic Metals and Other Trace Elements in Personal Care Products. Jordan Journal of Chemistry.; 8(3): 179-190.
- [2]. Adil MD, Kaiser P, Satti NK, Zargar AM, Vishwakarma RA, Tasduq SA. (2010) Effect of Emblica officinalis (fruit) against UVB-induced photo-aging in human skin fi broblasts. J Ethnopharmacol. 2010;132:109–14.
- [3]. Afzal M, Al-oriquat G, Al-Hassan JM, Muhammad N. (1984) Isolation of 1,2- Dihydroxy-4-glucosyloxynaphthalene from Lawsonia inermis. Heterocycles :22(4):813.
- [4]. Al-Saleh, I, Al-Enazi, S, Shinwari, N. (2009) Assessment of lead in cosmetic products. Regulatory Toxicology and Pharmacology, 2009; 54(2): 105-113.
- [5]. Angeloglou, Maggie. (1970). The History of Make-up. First ed. Great Britain: The Macmillan Company,. 41–42. Print.
- [6]. Barlow NJ, McIntyre BS, Foster PM. (2004). Male reproductive tract lesions at 6, 12, and 18 months of age following in utero exposure to di(n-butyl) phthalate.
- [7]. Toxicologic Pathology.; 32(1): 79-90.
- [8]. Bridges B.(2002) Fragrance: emerging health and environmental concerns. Flavour Fragrances Journal.; 17(5):361–371.
- [9]. B.N. Suhagia, I.S. Rathod, Sunil Sindhu (2011) Sapindus Mukorossi (Areeth): an Overview, IJPSR.; Vol. 2(8): 1905-1913.
- [10]. Dixit SN, Srivastava HS, Tripathi RD. (1980)Lawsone, the antifungal antibiotic from the leaves of Lawsonia inermis and some aspects of its mode of action. Indian Phytopathological:31:131-133.
- [11]. Donsing P, Viyoch J. (2008).Thai Breadfruit's Heartwood Extract: A New Approach to Skin Whitening. Srinakharinwirot Science Journal; 24 (1): 9-23.

- [12]. Fewings J, Menné T. (1999). An update of the risk assessment for methylchloroisothiazolinone/methylisothiazolinone (MCI/MI) with focus on rinse-off products. *Contact Dermatitis*.; 41(1): 1-13.
- [13]. Goli Penchala Prasad, C. Murali Krishna, G. C. Bhuyan, A. Narayana ,G. Babu,
- [14]. G. K. Swamy (2011). Beauty Aids And Cosmetics In Ancient Indian Literature. *Journal of Aayurveda Vol.V. No.2* Page no. 77-84.
- [15]. Granstrom, A, (1987) Seed viability in fourteen species during five years of storage in forest soil, *J. Ecology* 75(3);321-331:.
- [16]. Green queen media (2021) 8 Animal Ingredients Common In Natural Beauty Products <https://www.greenqueen.com.hk/contact-gq/>.
- [17]. Hsu, S., Bollag, W. B., Lewis, J., Huang, Q., Singh, B., Sharawy, M., (2003). Green tea polyphenols induce differentiation and proliferation in epidermal keratinocytes. *Journal of Pharmacology and Experimental Therapeutics*. doi:10.1124/jpet.103.049734.<<http://www.rice.edu/~jenky/sports/cafeine.html>> (accessed on 20.09.2008).
- [18]. Jari Alander, (2009). Shea butter with improved moisturisation properties, butters, personal care [online]. 1-3:
- [19]. Johansen JD, Rastogi SC, Menne T, (1996). Threshold responses in cinnamic- aldehyde-sensitive subjects: Results and methodological aspects, *Contact Dermatitis*.; 34(3):165-171
- [20]. John A.O. Oyekunle, Odunayo T. Ore, Oluseyi H. Ogunjumelo, Michael S. Akanni (2021) Comparative chemical analysis of Indigenous Nigerian soaps with conventional ones *Heliyon* 7 (2021) e06689.
- [21]. Kaviraj Ambikadatta Shasrti, Sushruta Samhita of Maharshi Sushruta, part 1, edited with Ayurved tatva sandipika, Chaukhambha Sanskrit Sansthan, Varanasi, Edition- reprint 2014, Chikitsasthana, chapter 20/33-36, page no 196.
- [22]. Khaiat, A. (2005). "Botanical Extracts" in P. Elsner and H. I. Maibach (eds.). *Cosmeceuticals and Active Cosmetics: Drugs Versus Cosmetics*, Cosmetics Science and Technology Series. Boca Raton: Taylor & Francis.
- [23]. Khan AD , Alam M N (2019). Cosmetics and Their Associated Adverse Effects: A Review *Journal of Applied Pharmaceutical Sciences and Research (JAPSR)*, Volume 2, Issue 1, 1-6.
- [24]. K. R. Shrikantha Murthy, Illustrated Sushruta Samhita, Volume II, Chaukhambha orientalia, Varanasi, reprint edition 2012, Chikitsasthana, chapter 9/22,26,28, page no. 108,109
- [25]. Mark, J. J. (2017). Cosmetics, Perfume, & Hygiene in Ancient Egypt. *World History Encyclopedia*. Retrieved from <https://www.worldhistory.org/article/1061/cosmetics-perfume--hygiene-in-ancient-egypt/>
- [26]. Mehrdad RR, Mehravar RR, Sohrab K, Moghadamnia AA.(2014). Current approaches of the management of mercury poisoning: need of the hour. *DARU Journal of Pharmaceutical Sciences*; 22(1): 22-46.
- [27]. Nigam PK, Saxena AK. (1988). Allergic contact dermatitis from henna. *Contact Dermatitis*.; 18(1):55-56.
- [28]. Oomah, D., Ladet, S., & Godfrey, D. (2000). Characteristics of raspberry (*Rubus idaeus* L.) seed oil, *Food Chemistry*, 69 (2), 187- 193:.
- [29]. Product catalog [online], Available from: <http://www.botanicoil.com/products/pdfs/boi-catalog-online.pdf>.
- [30]. R.Ramasubramania Raja1 , M.Sreenivasulu , S.Ravali Reddy , Ch.Kavitha Indra , K.Supriya Reddy , P.Tejaswini Royal, P.Varshitha (2016) Synthetic Cosmetics-An Overview *RA Journal of Applied Research* ||Volume||2||Issue||09||Pages-579-584||Sept-2016|| ISSN (e): 2394-6709.
- [31]. Schneider, Günther; Gohla, Sven; Schreiber, Jörg; Kaden, Waltraud; Schönrock, Uwe; Schmidt-Lewerkühne, Hartmut; Kuschel, Annegret; Petsitis, Xenia; Pape, Wolfgang. (2001). *Skin Cosmetics*. Ullmann's Encyclopedia of Industrial Chemistry. John Wiley & Sons Ltd. doi:10.1002/14356007.a24_219. ISBN 978-3-527-30673-2. OCLC 910197915. Archived from the original on 21 February 2022.
- [32]. Sahebkar A, Henrotin Y.(2016). Analgesic efficacy and safety of curcuminoids in clinical practice: a systematic review and metaanalysis of randomized controlled trials. *Pain Med*. 2016;17: 1192–1202.
- [33]. Singletary, Keith (2020).PhD Turmeric, *Nutrition Today*: 1/2 - Volume 55 - Issue 1p 45-56 doi: 10.1097/NT.0000000000000392.
- [34]. Spornraft-Ragaller P, Kammerer E, Gillitzer C, Schmitt J.(2012) .Severe allergic reactions to para-phenylenediamine in children and adolescents: should the patch test concentration of PPD be changed? *Journal Deutsche Dermatologische Gesellschaft*.;(10): 258–263.

- [35]. The History of Cosmetics and Make up, 2009. [Online]. Available: [http://ezinearticles.com/?The -History-of-Cosmetics-&-makeup&id=1857725](http://ezinearticles.com/?The-History-of-Cosmetics-&-makeup&id=1857725). Accessed: February 28, 2018.
- [36]. Wilson CL, Ferguson DJ, Dawber RP. (1990) . Matting of scalp hair during shampooing: A new look, Clinical and Experimental Dermatology,; 15(2):139– 142.