

REVISTAS ELECTRÓNICAS – N° 18

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ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE
(AAEM) - Institute of Agricultural Medicine in Lublin, Poland

EJEMPLAR: Volume 13, number 1, 2006

IDIOMA: inglés

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IDIOMA: inglés

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BOLETÍN PARA LA PREVENCIÓN DE RIESGOS LABORALES – UGT / Fundación para la Prevención de Riesgos Laborales (España)

EJEMPLAR: No. 45, junio 2006

IDIOMA: español

CONTENIDO DESTACADO:

FICHAS PRÁCTICAS. PROHIBICIÓN DEL AMIANTO. El término amianto (castellano) o asbesto (inglés) procede del griego y significa indestructible o inextinguible, haciendo referencia a las propiedades de estas fibras minerales. Su uso ha sido enorme a lo largo del siglo XX debido a sus cualidades en multitud de aplicaciones (más de 3.600)

en diferentes sectores de la industria y a su bajo precio. La importancia del amianto ha residido en un primer momento en sus múltiples cualidades para la industria en general y después por los efectos sobre la salud de los trabajadores expuestos al mismo (...)

ACTUALIDAD. EL PAPEL DE LA INSPECCIÓN DE TRABAJO Y LA FISCALÍA EN PREVENCIÓN DE RIESGOS LABORALES. El artículo 124 de la Constitución Española encomienda al Ministerio Fiscal la tarea de **promover la acción de la justicia en defensa de la legalidad y los derechos de los ciudadanos**, lo que le coloca en un papel destacado en la lucha contra la siniestralidad laboral. Así mismo su propio Estatuto Orgánico y la Ley de Enjuiciamiento Criminal le atribuye importantes facultades y medios para el desarrollo de su función (...)

- [Texto completo del No. 45](#)
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BOLETÍN PARA LA PREVENCIÓN DE RIESGOS LABORALES - UGT / Fundación para la Prevención de Riesgos Laborales (España)

EJEMPLAR: No. 46, (julio-agosto 2006)

IDIOMA: español

CONTENIDO DESTACADO:

FICHAS PRÁCTICAS. MODIFICADO EL REGLAMENTO DE LOS SERVICIOS DE PREVENCIÓN. La Ley 54/2003, de 12 de diciembre, de reforma del marco normativo de la prevención de riesgos laborales, tras constatar el ingente esfuerzo realizado por los poderes públicos, Estado y Comunidades Autónomas, los agentes sociales, las empresas y los trabajadores y demás entidades dedicadas a la prevención de riesgos laborales, desde la vigencia de la Ley 31/1995, de 8 de noviembre, de Prevención de Riesgos Laborales, así como que dicho esfuerzo debía conducir a la integración de la prevención de riesgos laborales en todos los niveles de la empresa y a fomentar una auténtica cultura de la prevención, vino a paliar los problemas e insuficiencias detectados en su aplicación práctica y que se manifiestan, en términos de accidentes de trabajo, en la subsistencia de índices de siniestralidad laboral indeseados.

ACTUALIDAD. CONDENA POR DELITO CONTRA LOS DERECHOS DE LOS TRABAJADORES. El pasado 16 de mayo, se dictó Sentencia en primera instancia condenando a Manufacturas Plásticas el As y a su administrador único por un delito de lesiones imprudentes en concurso ideal con un delito contra la seguridad de los trabajadores por imprudencia, a la pena de dos años de prisión y al pago de una indemnización a la trabajadora accidentada de 785.000 euros y a la constitución a su favor de una renta vitalicia de 1.666 euros mensuales revisables según el IPC.

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- [Página de la revista](#)



CADERNOS DE SAÚDE PÚBLICA – Escola Nacional de Saúde Pública Sergio Arouca, Fundação Oswaldo Cruz

EJEMPLAR: v. 22, no. 9, set. 2006

IDIOMA: português e inglês.

CONTENIDO DESTACADO:

AVALIAÇÃO DA POLUIÇÃO AMBIENTAL CAUSADA POR PARTICULADO DE CHUMBO EMITIDO POR UMA REFORMADORA DE BATERIAS NA CIDADE DO RIO DE JANEIRO, BRASIL / QUITERIO, Simone Lorena, MOREIRA, Fátima Ramos, SILVA, Célia Regina Sousa da *et al.*

Neste estudo, determinou-se o teor de chumbo (Pb) presente no ar ao redor de uma reformadora de baterias, antes e após da instalação do sistema de exaustão. Na área externa à reformadora de baterias, as amostras foram coletadas em seis e quatro pontos localizados a aproximadamente 25m e 500m, respectivamente, da reformadora de baterias. Os resultados obtidos mostram que o limite para Pb no ar atmosférico de 1,5µg Pb.m⁻³ foi excedido em 50% nas amostras coletadas, variando de 0,07 a 183,3µg Pb.m⁻³. Assim, após algumas modificações na distribuição das atividades no interior da reformadora de baterias e a colocação do sistema de exaustão foram selecionados três pontos de coleta, que correspondiam àqueles mais críticos encontrados nas avaliações anteriores do ar externo. As novas concentrações de chumbo variaram de 0,8 a 17,6µg Pb.m⁻³, demonstrando que houve uma significativa redução dos níveis de chumbo emitidos para o ambiente após a instalação do sistema de exaustão.

Palavras-chave: Chumbo; Monitoramento Ambiental; Poluição Ambiental.

Links: [resumo em inglês](#) / [texto em português](#) / [pdf em português](#)

SENTIDOS DA ALIMENTAÇÃO E DA SAÚDE: CONTRIBUIÇÕES PARA A ANÁLISE DO PROGRAMA DE ALIMENTAÇÃO DO TRABALHADOR / STOLTE, Desire, HENNINGTON, Élida Azevedo e BERNARDES, Jefferson de Souza.

Este estudo objetivou analisar as concepções dos trabalhadores em relação ao Programa de Alimentação do Trabalhador numa indústria coureiro-calçadista da região do Vale dos Sinos, Rio Grande do Sul, Brasil, por meio da análise das práticas discursivas de trabalhadores e da caracterização do perfil epidemiológico. Um estudo descritivo foi realizado a partir do levantamento de dados demográficos, socioeconômicos e antropométricos. A abordagem qualitativa dos temas alimentação/nutrição, saúde, política pública foi feita a partir da realização de grupo focal utilizando-se o referencial de análise de práticas discursivas e produção de sentidos. Argumenta-se que existe um bom conhecimento, por parte dos trabalhadores, das relações entre saúde e alimentação. Entretanto, o programa em si é ignorado e não tem conseguido atingir seu objetivo de promover a saúde. Sugere-se que novas práticas educativas devam ser implementadas pelo setor de nutrição nos locais de trabalho. No âmbito das políticas públicas referentes à Nutrição, uma reflexão mais aprofundada deve permear o debate tendo em vista a descentralização e regionalização das ações referentes à saúde do trabalhador e abarcando não somente questões pontuais, mas permitindo a discussão ampliada numa perspectiva intersetorial, interdisciplinar e multiprofissional.

Palavras-chave: Programas e Políticas de Nutrição e Alimentação; Saúde Ocupacional; Alimentação.

Links: [resumo em inglês](#) / [texto em português](#) / [pdf em português](#)

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ENVIRONMENTAL HEALTH PERSPECTIVES
(EHP) – National Institute of Environmental
Health Sciences (EE.UU)

EJEMPLAR: Vol. 114, Number 8, August 2006

IDIOMA: inglés.

CONTENIDO DESTACADO:

[INNOVATIONS](#) | Shiny Science: A New Substitute for Hexavalent Chromium. Hexavalent chromium has been used for a variety of industrial purposes throughout the years, including the electroplating process. But this compound is highly health-hazardous. Now researchers at the Massachusetts Institute of Technology have begun experimenting with an engineered nickel and tungsten nanostructure that offers the appearance and durability of hexvalent chromium without the known hazards. This article ([p. A482](#)) takes a look at the new alternative that could herald a brighter, cleaner future for chrome plating.

[BIOMONITORS](#) | Biomonitoring and Biomarkers. Because biomonitoring can directly measure almost any chemical present in our bodies, the future role of classical exposure assessment may be marginalized. Although the concentration of chemicals in the environment will continue to be measured and related to exposure parameters, the prioritization of the national environmental agenda will be dictated by biomonitoring. [Paustenbach and Galbraith \(p. 1143\)](#) review benefits and challenges, along with select results from the Centers for Disease Control and Prevention's 2005 *National Report on Human Exposure to Environmental Chemicals*. The authors recommend that the data be carefully interpreted, with the goal of establishing baseline exposure information, rather than creating surrogates for conclusions about human health risk.

[PROSTATE CANCER](#) | Occupational Phorate Exposure and Cancer Incidence. [Mahajan et al. \(p. 1205\)](#) recently reported a link between use of the organophosphate pesticide phorate and the risk of prostate cancer among applicators with a family history of prostate cancer in the Agricultural Health Study (AHS). Although prostate cancer risk was not significantly related to phorate use overall or among those without a family history, the risk tended to increase among applicators with a family history of prostate cancer. The results suggest a gene-environment interaction between family history and phorate exposure in the incidence of prostate cancer, but other explanations are also possible.

[CARDIOVASCULAR DISEASE](#) | Pb Is Associated with Decreased Serum PON1 Activity. Lead exposure causes cardiac and vascular damage in animals; however, There is considerable debate regarding the causal relationship between lead exposure and cardiovascular dysfunction in humans. Previous studies have shown that, *in vitro*, lead and several other metal ions are able to inhibit the activity of PON1, an enzyme

capable of hydrolyzing oxidized lipids and thus protecting against atherosclerosis. [Li et al. \(p. 1233\)](#) conducted a cross-sectional study of workers from a lead battery manufactory and lead recycling plant to determine if lead exposure affects serum PON1 activity. Their results suggest that the decrease in serum PON1 activity due to lead exposure may render individuals more susceptible to atherosclerosis, particularly subjects who are homozygous for the R192 allele.

[AUTOIMMUNE DISEASE](#) | Asbestos Exposure and Autoimmune Disease. To explore the potential association between asbestos exposure and risk of autoimmune disease, [Noonan et al. \(p. 1243\)](#) conducted a case-control study among a cohort of current and former residents of Libby, Montana, a community with historical occupational and environmental exposure to asbestos-contaminated vermiculite. Cases were defined as those who reported having one of three systemic autoimmune diseases (SAIDs): systemic lupus erythematosus, scleroderma, or rheumatoid arthritis. The preliminary findings support the hypothesis that asbestos exposure is associated with autoimmune disease. Refined measurements of asbestos exposure and SAID status among this cohort will help to further clarify the relationship between these variables.

[RISK ASSESSMENT](#) | The Agricultural Health Study: Cyanazine and Cancer Incidence. Cyanazine is a common pesticide used frequently in the United States during the 1980s and 1990s. Animal and human studies have suggested that triazines may be carcinogenic, but results have been mixed. [Lynch et al. \(p. 1248\)](#) evaluated cancer incidence in cyanazine-exposed pesticide applicators among the 57,311 licensed pesticide applicators in the Agricultural Health Study (AHS). A total of 20,824 cancer-free AHS applicators reported ever using cyanazine at enrollment. No clear, consistent associations between cyanazine exposure and any cancer analyzed were found. The small numbers of female applicators and certain cancer types limit the conclusions with regard to ovarian, breast, and some other cancers.

[NEURODEGENERATIVE DISEASE](#) | Toluene, Noise, and Hearing Loss. [Chang et al. \(p. 1283\)](#) investigated the risk of hearing loss among workers exposed to both toluene and noise at an adhesive materials manufacturing plant. The prevalence of hearing loss of ≥ 25 dB in the toluene plus noise group was much greater than that in the noise-only group and in administrative clerks. Multivariate logistic regression analysis showed that the toluene plus noise group had an estimated risk for hearing loss ≥ 25 dB, 10.9 times higher than that of the noise-only group. The results suggest that toluene exacerbates hearing loss in a noisy environment, with the main impact on the lower frequencies.

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ENVIRONMENTAL HEALTH AND PREVENTIVE MEDICINE – The Japanese Society for Hygiene

EJEMPLAR: Vol. 11, N° 1, 2006

IDIOMA: inglés.

CONTENIDO DESTACADO:

COMPARISON OF PULMONARY FUNCTION TEST ABNORMALITIES BETWEEN STONE CRUSHING DUST EXPOSED AND NONEXPOSED AGRICULTURAL WORKERS / B. P. CHATTOPADHYAY, P. K. GANGOPADHYAY, T. S. BANDOPADHYAY and Jane ALAM

Objectives: The aim of this study is to examine the effects of stone crushing in West Bengal, India, by comparing pulmonary functions of stone crushing workers with those of nonexposed agricultural workers. **Methods:** Two hundred seventy two stone crushing workers and 123 nonexposed workers were analyzed in terms of occupational and personal histories, radiological findings, and pulmonary function test (PFT) results including slow vital capacity (SVC), forced vital capacity (FVC) and peak expiratory flow rate (PEFR). Different lung volumes i.e. FEV₁, FEV_{1%}, and flow rates i.e. FEF_{200-1200 ml}, FEF_{25-75%} and FEF_{75-85%}, were analyzed with regard to sex, smoking habit, work status, age and work duration. **Results:** Contrary to our expectations, the incidences of suspected (2.94%) and definite (1.84%) pneumoconioses were very low and the results of some PFT such as those for FVC and FEV_{1%}, in the exposed group were better than those in the nonexposed group, although a gradual decline the performance in PFT was observed with age and work duration. There was a higher prevalence of restrictive impairment among the exposed group and a higher prevalence of obstructive impairment in the nonexposed group. **Conclusions:** Some of the results were unexpected. Possible reasons for these include (i) undetectable concentrations of free silica in the stone dust in the work environment of the exposed workers and (ii) factors, such as climate, in the work environment of the nonexposed agricultural workers that could cause pulmonary impairment. Further protective measures should be undertaken to prevent pulmonary impairment in both groups of workers.

Key words: quarry, crushers, elevators, screens, restrictive impairment, obstructive impairment and combined impairment

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ENVIRONMENTAL HEALTH: A GLOBAL ACCESS SCIENCE SOURCE – BioMed Central

EJEMPLAR: 2006

IDIOMA: inglés

CONTENIDO DESTACADO:

EXPOSURE OF HAIRDRESSING APPRENTICES TO AIRBORNE HAZARDOUS SUBSTANCES. Estelle Mounier–Geysant, Veronique Oury, Lory Mouchot, Christophe Paris and Denis Zmirou–Navier.

Background. Few studies have investigated exposure of hairdressing apprentices to airborne irritants. This study describes exposure levels of apprentices to chemical products used in hairdressing salons in relation with their activity. *Methods.* Following a two stages study design, a group of 300 students completed a questionnaire on their work activities and environment. Among these, a group of 28 subjects volunteered to undergo personal exposure and workplace concentrations measurements over a work shift, during a cold and a hot season, with the agreement of the salon owners. Three chemical substances were studied (ammonia, hydrogen peroxide and persulfates) because they are respiratory tract irritants and because their concentrations could be quantified within a 5 to 8 hour shift period. *Results.* Personal exposure values for H₂O₂ and NH₃ (averages [standard deviations] are 0.05 [0.04] and 0.90 [0.76] mg.m⁻³, respectively) were greater than workplace ambient air concentrations (corresponding values of 0.04 [0.03] and 0.68 [0.42] mg.m⁻³) for H₂O₂ and NH₃, with no significant seasonal variation. By contrast, workplace concentrations of persulfates (0.019 [0.018] mg.m⁻³) were greater than personal exposure (0.016 [0.021] mg.m⁻³, a finding that is consistent with the fact that bleaching is more often undertaken by senior hairdressers. However, all exposure values were lower than the current TLV TWA values. This study also shows that over half of technical spaces where chemical substances used for dying, permanenting or bleaching are manipulated, have no ventilation system, and not even a door or a window opening outside. *Conclusion.* The study hairdressing salons, on average, were small, the most probable reason why occupational hygiene measures such as appropriate ventilation were too seldom implemented. As a consequence, young apprentices and senior hairdressers experience substantial exposure to known airways irritants. *Key-words:* Personal exposure, chemical products, airway irritants, hairdressing apprentices.

Links: [provisional PDF](#)

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INTERNATIONAL JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH (IJOEH)

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[SEQUENTIAL RADIOLOGIC AND FUNCTIONAL PULMONARY CHANGES IN PATIENTS WITH PARAQUAT INTOXICATION.](#) Jin Won Huh, Sang Bum Hong, Chae-Man Lim, Kyung-Hyen Do, Jin Seoung Lee, Younsuck Koh

[NEUROCOGNITIVE SCREENING OF MERCURY-EXPOSED CHILDREN OF ANDEAN GOLD MINERS](#). S. Allen Counter, Leo H. Buchanan, Fernando Ortega

[MERCURY REDUCTION IN MUNHENA, MOZAMBIQUE: HOMEMADE SOLUTIONS AND THE SOCIAL CONTEXT FOR CHANGE](#). Samuel J. Spiegel, Olivier Savornin, Dennis Shoko, Marcello M. Veiga

[ASSOCIATION BETWEEN BLOOD LEAD LEVEL AND BLOOD PRESSURE IN ABORIGINES AND OTHERS IN CENTRAL TAIWAN](#). Hsien-Wen Kuo, Li-Hsing Lai, Sze-Yuan Chou, Fang-Yang Wu

[USE OF PESTICIDES AND ITS IMPACT ON HEALTH OF FARMERS IN SOUTH INDIA](#). Grace A. Chitra, V. R. Muraleedharan, T. Swaminathan, D. Veeraraghavan

[CANCER INCIDENCE AND MORTALITY IN THE INDUSTRIAL CITY OF SUMGAYIT, AZERBAIJAN](#). James E. Andruchow, Colin L Soskolne, Francesca Racioppi, Ambikaipakan Senthilselvan, Emin Makhmudov, Anar Asadov

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[THE PAST SUPPRESSION OF INDUSTRY KNOWLEDGE OF THE TOXICITY OF BENZENE TO HUMANS AND POTENTIAL BIAS IN FUTURE BENZENE RESEARCH](#). Peter F. Infante

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JOURNAL OF OCCUPATIONAL HEALTH –
Japan Society for Occupational Health

EJEMPLAR: Vol. 48, No. 4, August 2006

IDIOMA: inglés

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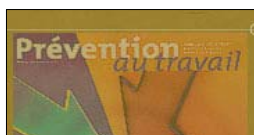
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