

- Abd El-Aal, A., El-Shenawy, F., Abd E.-Nabi A.R., and Auf, F. (1990): Dermatophytes causing tinea capitis. *Mansoura Medical Journal*, 19 (1): 195-206.
- Abd El-Gawad, M., Sharaf, L. and Abd El-Aal, A., (1996): Aetiological and therapeutic study of macerated toe web spaces (in Dakahlia Governorate-Egypt). Thesis for M.D. Dermatology. Central Library in Faculty of Medicine. Mansoura University.
- Abd El-Hafez, K., Abd El-Magid E., Mohamed F., (1989): Clinical and mycological study of tinea cruris in Assiut (upper Egypt). *Assiut Medical Journal*, 13 (2): 33-38.
- Ajello, L., and George, L.K. (1957): In vitro hair culture for differentiating atypical isolates of *T. mentagrophytes* and *T. rubrum*. *Mycopathologia*. 8: 3-17.
- Aly, R, (1994): Culture media for growing dermatophytes, *Journal of The American Academy of Dermatology*, 31:107-108.
- Amer, M.M.D., Taha, M., Tosson, Z, and El-Garf, A., (1981): The frequency of causative dermatophytes in Egypt. *International Journal of Dermatology*, 20:431-434.
- Apodaca G., and Mc-Kerrow J.H. (1989): Regulation of *Trichophyton rubrum* proteolytic activity. *Infection Immunology*, 57:3081-3090.
- Arrese, J.E., Franchimont C.P., and Pierard G.E. (1999): Facing up to the diagnostic uncertainty and management of onychomycosis *International Journal of Dermatology*, 38 (2): 1-6.

- Badie, N., Yossef N. and Khairy, A. (1986): Some epidemiological factors involved in tinea pedis in Alexandria school students. The Bulletin of the High Institute of Public Health. V16 (n2)p. 193-205.
- Balows, A., Hausler, W. J.J. and Herrmann, K.L. (1991): Manual of Clinical Microbiology. P. 59, Ch. (59), (5th ed). American Society for microbiology. Washington. D.C. USA.
- Bennett, J.E. (1998): Fungal infections. In: Harrison's principles of internal medicine, 14th ed. Vol. 1 Ch. 202. P: 1148-1163. Fauci, A.S., Braunwald, E., Jsselbacher, K. J., (eds) McGraw- Hill, New York.
- Bergus, G.R., and Johnson, J.S. (1993): Superficial tinea infections. Journal of Antimicrobial Chemotherapy. 29 (2): 195-205.
- Blank, F. (1989): Extensive Trichophyton infections of about fifty years duration in two sisters. British Journal of Dermatology, 115:10-51.
- Blank, F. and Mann, S.J. (1985): Trichophyton rubrum infection according to age, anatomical distribution and Sex. British. Journal of Dermatology, 92:171-174.
- Bock, M., Maiwald, M. and Kappe, P. (1994): Polymerase chain reaction based detection of dermatophyte DNA with a fungus – specific primer system. Mycoses, 37:79-84.
- Boni, E.E. (1998): Cutaneous fungal Infections, 2nd edit. Chapter 2- the dermatophytes P. 13.

- Brenner, GM. (2000): Antifungal drugs. In: Pharmacology, 1st ed. Ch. 42. P:441-447. W.B. Saunders Company, Philadelphia.
- Broda, P., Oliver, S.G and Sims, P.F.G. (1993): The Eukaryotic Microbial Genome: Organization and Regulation. Fiftieth symposium of the society for general Microbiology, Cambridge University press. Cambridge.
- Brooks, G.F., Butel, J.S., and Jawetz, E. (1995): Medical mycology. Medical Microbiology, 20th (ed). P: 529. In. Brooks G.F., Butel J.S., and Jawetz E. (eds). Appleton and Lange, Simon & Xchuster Company.
- Buxton, P.K., Milne, L.J.R. and Prescott, R.J. (1996): The prevalence of dermatophyte infection in well-controlled diabetes and the response to Trichophyton antigen. British Journal of Dermatology. 134:900-903.
- Caetano-Anolles, G., Bassam, B.G. and Gressoff, P.M. (1991): DNA amplification fingerprinting using very short arbitrary oligonucleotides primers. Bio-Technology, 9:553-557.
- Campbell, M., Stewart J. and Larsh, H. (1980): Fungi The medical Mycology Handbook. P.5. Awiley medical publication, New York, U.S.A.
- Champion, R.H., Burton, J.L., Burn, D.A., and Breathnach, S.M. (1998): Textbook of Dermatology, P. 1294-1330, Ch. (31) Vol. (2) (6th ed.) Blackwell Scientific publication. Oxford. London.
- Cheesbrough, M. (2004): District laboratory practice in tropical countries. Part 2, Chapter 7 Microbiological tests, fungal pathogens, P. 235-248, 403.

- Copeland, H.F. (1956): The classification of lower organisms. Palo, Alto, Pacific Books.
- Dahl, M.V. (1987): Host defense against dermatophytes. *Journal of Investigative Dermatology*, 2:305-320.
- Dahl, M.V. (1993): Suppression of immunity and inflammation by products produced by dermatophytes., *Journal of the American Academy of Dermatology*, 28:19-24.
- Dahl, M.V. (1994): Dermatophytosis and the immune response. *Journal of the American Academy of Dermatology*, 31 (3) 34-41.
- Dahl, M.V. (1996): Host defense: fungus. In: *Clinical immunodermatology* (3rd Ed.). Mosby, Year Book Inc., U.S.A., P. 201.
- David, G.R., Richard, C.B. and John, F.P., (2002): *Medical Microbiology, A Guide to microbial infections: pathogenesis, immunity, laboratory diagnosis and control*, sixteenth edition, Fungi, page: 7,12 and 570 : 577.
- Davis B.; Dulbecco R., Eisen H. and Ginsberg H. (1990): *Characteristics of fungi* (Ch. 43) P. 737 *Microbiology* (4th Ed.). J.B. Lippincott company, Philadelphia.
- Davis, R.R., and Zaini, F. (1988): Drugs affecting *Trichophyton rubrum* induced neutrophil chemotaxis in vitro. *Clinical Experimental Dermatology*, 13:228-231.
- Denis, R. (1996): Thin agar film for enhanced fungal growth and microscopic viewing in a new sealable fungal culture case. *Journal of Clinical Microbiology*. Sep., P. 2140-2142.

- Dixon, D. M., Rhodes, J. C. and Fromtling, R.A. (1999): Taxonomy, classification, and morphology of the fungi. In: Manual of clinical microbiology, 7th (ed). Ch. 93. P: 1161-1166. Murray, P. R., Baron, E.J., Pfaller, M.A., (eds). American Society for Microbiology, Washington DC.
- El- Baz, M.A., (1988): Studies on bronchopulmonary mycosis. Thesis submitted in fulfillment for the degree of ph. D. (microbiology). Faculty of Medicine. Benha University.
- El- Mashad, N.B. (2000): Diagnostic approach for the prevalent dermatophytes in Dakahlia governorate. Thesis submitted for Partial Fulfillment for the requirements of MD degree in Clinical Pathology.
- El- Morsy, F.E. (1982): Dermatophytes causing ring worm in school aged – children at Dakahlia, thesis submitted in partial fulfillment for the master degree in bacteriology.
- El- Raghi, N. (1992): Studies on dermatophytic infections in Mounifia Governorate, Thesis, M.D., Microbiology Mounifia University, Shebin El-Koum Egypt, Faculty of Medicine.
- Elder, B.L. and Roberts, G.D. (1986): Rapid methods for diagnosis of fungal infections. Laboratory Medical, 17: 591-6.
- Elewske, B.E. (1998): Once – weekly fluconazole in the treatment of onchomycosis. Journal of the American Academy of Dermatology, 38 (6): part (2) 73-76.

- Elewski, B. and Sullivan, J. (1994): Dermatophytes as opportunistic pathogens. *Journal of the American Academy of Dermatology*. 30:1021-22.
- Elewski, B.F., Rinaldi, M.G. and Weitzman, I, (1995): diagnosis and treatment of onychomycosis – A clinician's Hand book, Syner Med. Titusville FL.
- Elias, J., Miche al, R., Michael, A., Masataro, H., and Hideyo, Y: (2003): *Clinical Mycology*, chapter 16, Dermatophytes, P: 370-379.
- El-Morsy, F.E., (1982): Dermatophytes causing ring worm in school aged – children at Dakahlia. Thesis submitted in partial fulfillment for the master degree in basic medical science (bacteriology). Faculty of Medicine. Mansoura University.
- Elmros, T. and Liden, S. (1983): Hereditary palmoplantar keratoderma: incidence of dermatophyte infection. *Acta Dermato-Venereologica*, 63:254-257.
- Espinel- Ingroff, A., White, Th. And Pfaller, M.A., (1999): Antifungal agents and susceptibility tests. In: *Manual of clinical microbiology*, 7 th (ed). Ch. 126. P: 1640-1652. Murray, P.R., Baron, E. J., Pfaller, M. A., (eds). American Society for Microbiology Washington DC.
- Evans, E.G.V., and Path Leeds, F.R.C. (1998): Causative pathogens in onychomycosis and the possibility of treatment resistance. *Journal of the American Academy of Dermatology*. 38 (5) part 3, 32-36.
- Figueroa, J.I., Hawaraneek, T. and Abraha A., (1997): Tinea capitis in South-western Ethiopia: a study of risk factors for infection. *International Journal of Dermatology*, 36:661-666.

- Frieden, I.J. and Howard, R. (1994): Tinea capitis: Epidemiology, diagnosis, Treatment and control. Journal of the American Academy of Dermatology, 31 (3): 42-46.
- Georglck Camp, L.K. and Conp, L.R. (1957): Routine nutritional test for the identification of dermatophytes, J. Bacteriol, 74., 113-21.
- Gillespie, S.H. and Bamford, K.B. (2000): Yeast infections. In: Medical microbiology and infection at a glance, 1st (ed). Ch. 32. P:70-71. Black Well Science Limited, London.
- Gillian, M., Jocelyn, S. and Arthur, J.M. (2004): Clinical Benefits of recovering dermatophytes from skin swabs sent for bacterial culture. J. Clini. Microbiol. October Vol. 42 No. 10 P 4838-4839.
- Goh C.L., Tay Y.K. and Ali K.B. (1994): In vitro evaluation of ketoconazole, itraconazole and griseofulvin. International Journal of Dermatology, 33 (10): 733-737.
- Gonzalez, U., Seatom, T. and Bergus, G. (2004): Systemic antifungal therapy for T. capitis in children. Cochrane library, Issue 2. Chichester: Wiley.
- Grigoriu, D., DeLaretaz, J. and Borelli, D. (1987): Medical Mycology (2nd Ed.). Hans Huber Publ. Toronto, P.4. Cited from Rippon (1988).
- Gugnani, H.C. and Njoku-Obi, A.N.U. (1986): Tinea capitis in school Children in East Nigeria. Mykosen, 29:132-144.
- Gupta, A.K., Adam, P. and Dlova, N. (2001): Therapeutic options for the treatment of T. capitis caused by Trichophyton species: griseofulvin versus the new oral

antifungal agents, terbinafine, itraconazole and fluconazole. *Ped. Dermatol*, 18,433-8.

- Harrington, B.J., and Hageage, J.R. (1991): Calcoflour white. Improving its use. *Journal of Clinical Microbiology*, 13: 3-5.
- Hashimoto, T. (1978): Carotenogenesis associated with arthro sporulation of *Trichophyton mentagrophytes*. *Journal of Bacteriology*, 136:1120-1126.
- Hay, R.J. and Mackenzie, D.W.R. (1984): A clinician's guide to fungal disease. Marcel Dekker. Inc. N.Y., P.5.
- Hay, R.J., Roberts, S.O.B. and Mackenzie, D.W.R. (1992): *Mycology: In text book of dermatology*. By: Champion, R.H, Burton, J.L. and Ebling F.J.G., 5th edition. Oxford Blackwell Scientific Publication, London, Edinburgh, Boston, P. 1127.
- Heerden, J.S. and Vismer, H.F. (1997): *T. corporis, cruris*: new treatment options. *Dermatology*, 194 Suppl 1:14.
- Hegazy, A. and abd El-Nabi S. (1990): *Tinea corporis* clinical and mycological study in Kakaglia. *Mansoura Medical Journal*, 20 (1): 21-29.
- Hill, D.R. (1996): Thin agar film for enhanced fungal growth and microscopic viewing in a new sealable fungal culture case *Journal of Clinical Microbiology*, 34 (9): 2140-2142.
- Holmberg, A. (1986): New Diagnostic methods in Dermatological Mycology, *Acta Derm. Venereol. Suppl.* (Stockh), 121:39-100.

-
- Huang, P.H. and Paller, A.S. (2000): Itraconazole pulse therapy for dermatophyte onychomycosis in children. Arch Pediatr Adolesc Med, Jan, 154.
 - Ibrahim, A. (1989): Clinico- mycological study of tinea pedis in Alexandria. Tanta Medical Journal, 17 (1): 709-719.
 - Ibrahim, N.H. (2001): Prevalence of Dermatophytosis in Beni Suef Governorate, Thesis submitted for partial fulfillment for the M.sc in medical Microbiology and Immunology.
 - Ive, F.A. (1976): The carrier stage of tinea capitis in Nigeria. British Journal of Dermatology, 78: 219-221.
 - Jawetz, E., Melnick, J.L. and Adelberg, E.A. (2001): Medical Mycology in Medical Microbiology. 22nd (ed), Norwalk, Lange Medical Book. P. 530-555.
 - Jessup, C.J., Warner, J., Isham, N. and Ghanoum, M.A. (2000): Antifungal susceptibility Testing of dermatophytes. Establishing a Medium for inducing conidial growth and evaluation of susceptibility of clinical isolates. J. Clin Microbiol. January, Vol. 38, No. 1. 341 – 344.
 - Kaaman, T. and Forslind, B. (1985): Ultrastructural studies of experimental hair infections in vitro caused by Trichophyton mentagrophytes and Trichophyton rubrum. Acta Dermato-Venereology, 65:536-569.
 - Kam, K.M., A.U., W.F., Wong, P.Y. and Cheung, M.M. (1997): Onychomycosis in Hong Kong. Int. J. Dermatol. Oct, 36 (10): 757 – 61.
 - King, D., Cheever, L.W. and Hood A., (1996): Primary invasive cutaneous Microsporum canis infections in

immunocompromised patients. *Journal of Clinical Microbiology*, Feb. P. 460-462.

- Koga, T., Ishizaki, H and Mastumoto, T. (1996): Enhanced release of interleukin- 8 from epidermal keratinocyte in response to stimulation with trichophyton in vitro. *Acta Dermatol Venereol* 76:399.
- Korting, H.C. and Zeinicke, H. (1990): Dermatophytosis as occupational dermatosis in industrial countries. *Mycoses*. 33 (2): 86-89.
- Kwon-Chung, K.J. and Bennet, J.E. (1992): *Medical Mycology*, P. 105-155, Ch (6) Lea & Febiger Philadelphia. London.
- Kwon-Chung, K.J., and Bennet, J.E. (1992): *Medical Mycology*, P. 3-34, Ch (1) Lea & Febiger Philadelphia. London.
- Larone, D.H., (1995): *Medically Important Fungi*, 3 rd edn. American Society for Microbiology, Washington DC.
- Lequalglie, C., Giudice, G., Basilico, M. and Massone, P.B. (1998): Lysosomal antifungal therapy and low toxicity in thoracic cancer patients in ICU. 8th international congress of Infectious Diseases, Boston, Massachusetts, USA, P: 96.
- Lever, W.F. and Schaumburg-Lever, G. (1990): *Fungal diseases*. In: *Histopathology of the skin* J.B. Lippincott Company, N.Y., P. 364.
- Leyden, J.J. and Kligman, A.M. (1978): The interaction of dermatophytes and residual bacteria. *Archives of Dermatology*, 114:1466-1472.

- Liu, D. and Coloe, S. (1997): PCR identification of *Trichophyton mentagrophytes* var. *interdigitale* and var *mentagrophytes* with random primer. *Journal of Medical Microbiology*, 47 (12): 1043- 1046.
- Liu, D., Coloe S., Baird R., and Pedersen J. (1997): Molecular determination of dermatophyte fungi using the arbitrary primed polymerase chain reaction. *British Journal of Dermatology*, 137:351-355.
- Makie and Mc Cartney (1996): *Practical Medical Microbiology* (14th Ed.). Collee J., Marmion B., Fraser A., and Simmons A. (Ed.) @ Pearson Professional Limited. New York, NY, USA.
- Maor, M.H. (1988): Dermatophytosis confined to irradiated skin. A case report. *Int J Radiol, Oncol, Biol, phys*, 1988, 14-825-6.
- Matsmoto, T. and Ajello, L. (1994): Development on hyalohyphomycosis and phaeohyphomycosis. *Journal of Medical Veterinary Mycology*, 32 (1): 329-349.
- Mc-Carthy, K.G. and Dahl, M.V. (1989): Inhibition of *T. rubrum* by myeloperoxidase-H₂O₂ system. *Journal of Investigative Dermatology*, 92:639-641.
- Mc-Aleer, R. (1980): Fungal infections of the scalp in Western Australia. *Sabouraudia*, 8:185-190.
- Michael, J.S. and Graham, A.J. (2004): Clinical review: Common skin infections in children. *B.M.J.*, July 32P: 45–99.
- Mochizuki, T. and Takada, K. (1990): Taxonomy of *Trichophyton interdigitale* (*Trichophyton mentagrophytes*

- Var. Interdigitale) by restriction enzyme analysis of mitochondrial DNA, *J Med Vet Mycol*, 28: 191-6.
- Moriello, K.A. and Deboer, D.J. (1991): Fungal flora of haircoat of cats with and without dermatophytosis. *Journal of Medical Veterenary Mycology*, 29:285-292.
 - Mubasher, A. (1992): Clinical and mycological studies of dermatophytic diseases in Assiut Governorate, Egypt. *Assiut Medical Journal*, 16:335-349.
 - Mubasher, A., and Alaa-El- Din, A. (1992): Clinical and mycological studies of dermatophytic diseases in Egypt: II New Valley Governorate. *Assiut Medical Journal*, 16:349-359.
 - Myrvik, Q.N., Pearsall N.N., and Weister, R.S. (1974): An introduction to medical mycology. In: *Fundamentals of Medical Bacteriology and Mycology*. 1st (ed). P: 437. Myrvik Q.N., Pearsall N.N., and Weiser R.S., (eds). Lea & Febiger.
 - Ogawa, H., Summerbell, R.C., Clemons, K.V., Koga T., Ran Y.P., Rashids A., Sohnle P.G., Stevens D.A. & Tsuboi R. (1998): Dematophytes and host defence in cutaneous mycosis. *Med. Mycol.*, 36 Suppl. 1:166-73.
 - Ohkawa, Y., and Takahata (1994): Temperature dependent change of serological specificity of *Candida albicans* NIH-A-207 cells cultured in yeast extract added sabouraud liquid medium: disappearance of surface antigen 4, 5, 6 at high temperature. *Mycopathologia*, 117:127-132.
 - Perry, J.L. and Miller, G.R. (1989): Quality control slide for potassium hydroxide and cellufluor. *Journal of Clinical Microbiology*. 27 (6): 1411-1412.

- Pfaller, M.A., Arikan, S. and Lozano-Chiu, M. (1999): Clinical evaluation of the ASTY colourimetric microdilution panel for antifungal susceptibility testing. *J. Clin. Microbiol.*, 36 (9): 2609-2612.
- Pfaller, M.A., Messer, S.A. and Houston, A. (2000): Evaluation of the E.test methods for determining voriconazole susceptibilities of 312 clinical isolates of *Candida* species by using three different agar media *J. Clin. Microbiol.*, 38 (10): 3715-3717. Philadelphia.
- Pier, A. and Smith, J. (1994): Animal ringworm – its aetiology, public health significance and control, *J Med Vet Mycol*, 32, Suppl 1 : 133 – 50.
- Rang, H.P., Dale, M.M. and Ritter, J.M. (2000): Antifungal drugs. In: *pharmacology*, 4th (ed). Ch. 45. P:720-724. Churchill living stone. London.
- Rezabek, G.H. and Friedman, A.D. (1992): Superficial fungal infections of the skin. Diagnosis and current treatment recommendations. *Krugs*, 43:674.
- Rippon, J.W. (1988): *Medical Mycology: The pathogenic fungi and Actinomycetes*. P. 169-203 Ch. (8), (3rd ed). Saunders Company. Philadelphia.
- Rippon, J.W. (1992): Forty years of dermatophyte in the Chicago Clinic (1944-1988). *Mycopathologia*, 119: 25-28.
- Ritter, J.M., Lewis, L.D. and Mant, T.G.K. (1999): Fungal and viral infections. In: *Text book of clinical pharmacology*, 4th (ed). E.J. (eds). The C.V. Mosby Company.

- Roberts, S.O.B. and Mackenzie, D.W.K. (1986): Textbook of dermatology P. 893, Vol. (2), (4th ed). Blackwell Scientific publications. Oxford, London, Boston.
- Rook, A., Wilkinson D.S. and Ebling F.J.G. (1998): Dermatophytosis. In: Textbook of Dermatology (6th Ed.) Rook/Wilkinson/Ebling textbook of dermatology. Edited by R.H. Champion, J.L. Burton, D.A. Burns, S.M. Breathnach. Vol. 2, 31:1294-1335.
- Sarkisov, A.K. and Koromyslov, G. (1993): Proposals for the prevention and control of dermatophytes common to man and animals. WHO Doc Zoon 183.62 Geneva. WHO.
- Sauer, G. (1985): Manual of skin diseases. P. 191, Ch. (18), (5th ed). J.B. Lippincott Company, Philadelphia, London, New York.
- Sauer, G. (1999): Dermatologic mycology. In: manual of skin diseases (8th Ed.), Lippincott Williams and Wilkins, Philadelphia, U.S.A.P. 198-216.
- Seeliger, H.P.R. (1985): The discovery of Achorion Schoenleinii Facts and stories Mykosen, 28: 161 – 82.
- Segal, E. (1989): Vaccines for the management of dermatophytes and superficial yeast infection, Clin Microbiol Rev, 8:317-35.
- Sequeira, H. and Cabrita, J. et al., (1991): Contributions to our knowledge of Trichophyton megninii, J Med Vet Mycol, 29: 417-18.
- Sewell, D.L. (1995): Laboratory associated infections and biosafety, Clin Microbiol Rev, 8:389-405.

- Shellow, W.V.R. (2000): Management of superficial fungal infections. In: Primary care medicine: office evaluation and management of the adult patient. 4th (ed.) Ch. 191. P:1045.
- Sherna, F. (1993): Epidemiology of dermatophytes in Florence area of Italy (1985 – 1990): Mycopathologia, 122: 153-162.
- Shimokawa, O. and Nakayama, H. (2000): Estimation of minimum sterol 14X – Demethylation-inhibitory concentration of azoles in Candida yeast using acetate-mediated growth inhibition: potential utility in susceptibility testing. J. Clin. Microbiol., 38 (8): 2893-2896.
- Sinski, J.T. and Kellyl, M. (1991): A survey of dermatophytes from human patients in United states From 1985 to 1987. My copathologia, May 114 (2): 117 (Abs).
- St-Germain, G. and Summerbell, R.C., (1996): Identifying Filamentous Fungi: A Clinical Laboratory Handbook, Star Publishing Co., Belmont CA.
- Suarez, S.M. and Silvers, D.N. (1991): Histologic evaluation of nail clippings for diagnosing onychomycosis, Arch Dermatol, 127:1517-9.
- Sugimoto, R., Katoh, T. and Nishioka, K. (1995): Isolation of dermatophytes from house dust on a medium containing gentamicin and flucytosime. Mycoses 38:405.
- Svejgaard, S.L. (1995): Epidemiology of dermatophytes in Europe. International Journal of Dermatology, 34:525-528.
- Takwale, A., Agarwal, S, Holmes, S.C. and Berth, J.J. (2001): T.capitis in two elderly women : Transmission at the hairdresser. Br. J Dermatol Apr, 144 (4): 898 – 900.

- Tanaka, S. and Summerbell R. (1992): Advances in dermatophytes and dermatophytosis, *J Med Vet Mycol*, 30 (Suppl 1): 29-39.
- Thokar, M.A., Kumar Kakru, D., Wani T., Nehhvi N., Nabi A., Shaheen R., Farhana A., Banday A.W. and Maqbool M.M. (2001): Pattern of dermatophytosis in and around Srinagar Kashmir. Department of Microbiology, Sher-Kashmir Institute of Medical Science, Srinagar Kashmir, India.
- Tietz, H.J., Czaika, V., Ulbricht, H.M. and Sterry, W. (1999): Tinea capitis in Germany, A survey in 1998. *Mycoses* 1999, 42 suppl 2:73-6.
- Topley and Wilson (1998): Microbiology and Microbial Infection p. -215-236, Ch. (13), Vol. (4) (9th ed). Arnold. New York. U.S.A.
- Tsuboi, R. (1989): Isolation of keratinolytic proteinases from Trichophyton mentagrophytes with enzymation activity at acid PH. *Infection Immunology*, 57:3479-3483.
- Viguee, C. and Ancelle J (1992). Epidemiological survey on Trichophyton Soudanense tinea at school, *J Mycol Med*, 2:160-3.
- Volk, W.A., Benjamin, D.C., and Kadner, R.J. (1991): Medical Mycology. In: Essentials of Medical Microbiology, 4th (ed). P: 525. Volk W.A., Benjamin, D.C., and Kadner, R.J., (eds). Lippincott Company.
- Wagner, D.K. & Sohnle P.G. (1995): Cutaneous defenses against dermatophytes & yeasts. *Clinical microbiology reviews*, 8:317-335.

- Walsh, T.J., Gonzalez, C.E. and piscitelli, S. (2000): Correlation between in vitro and in vivo antifungal activities in experimental fluconazole resistant oropharyngeal and esophageal Candidiasis. *J. Clin Microbiol.*, 38 (6): 2369-2373.
- Weitzman, I. and Kane J. (1991): Dermatophytes and agents of superficial mycoses. In: *Manual of Clinical Microbiology*. (5th Ed.), by A. Balows, Jr. Fluster, K.L., H.K., Lsenberg, H.J. Shadomy. American Society for Microbiology, Washington, D.C., P. 601.
- Weitzman, I. and Summerbell, R. (1995): The dermatophytes, *Clin Microbiol Reo*, 8: 240 – 59.
- West, B.C., and Kwon – Chung K.J. (1980): Mycetoma caused by *M. audounii*. *American Journal of Clinical Pathology*, 73:447-454.
- White, T.C., Marr, K.A., and Bowden (1998): Clinical, Cellular, and molecular factors that contribute to antifungal drug resistance. *Clin. Microbiol. Rev.* 11:382-402.
- Williams and Wilkins (1985): Laboratory identification of molds. *Practical laboratory mycology*, (3rd Ed.), (Ch 6), P. 95. Bahimore-London-Los Angelos-Sydney.
- William, A., Harriet, R., and Bruce, D. (2001): Lippincott's illustrated reviews: Microbiology, Unit 4 Fungi and pag:265-269.
- Wolf, F.T. (1977): Chemical nature of the fluorescent pigment produced in *Microsporum*-infected hair. *Nature*, 4591: 861.

- Xu, J., Ramos, A.R., Vilgalys, R. and Mitchell, T.G. (2000): Clonal and spontaneous origins of fluconazole resistance in *Candida albicans*. *J. Clin. Microbiol.*, 38 (3): 1214-1220.
- Zienicke, H.C., Korting, H.C., Lukas, A., and Braun-alce, O. (1991): Dermatophytes in children and adolescents, epidemiological, clinical and microbiological aspects changing with age. *J. Dermatol. Aug.*, 18 (8): 438-441.