

PUBLICACIONES DEL DR. MAHABIR P. GUPTA

1. GUPTA, M.P. 2018. Panamanian biodiversity: a valuable source of novel lead compounds of economic and medical potentation. *Pharm. Pharmacol. Int. J.* 6(2): 112; doi: 10.15406/ppij.2018.06.00165
2. MARINI, G., GRAIKOU, K., ZENGIN, G., KARIKAS, G., GUPTA, M. and CHINOI, I., 2018. Phytochemical analysis and biological evaluation of three selected *Cordia* species from Panama. *Industrial Crops & Products* 120: 84-89; <https://doi.org/10.1016/j.indcrop.2018.04.03>
3. DURANT, A., SANTANA, A.I., GUPTA, M.P. 2018. Ethnomedical uses and pharmacological activities of most prevalent species of genus *Piper* in Panama: A Review. *J. of Ethnopharmacology*; 217: 63-82; doi.org/10.1016/j.jep.2018.02.008
4. Correction: RAMSEYER, J., THUERIG, B., DE MIERI, M., SHARER, H., OBERHAHSLI, T., GUPTA, M.P., TAMM, L., HAMBURGER, M. AND POTTERAT, O. 2018. Eudesmane sesquiterpenes from *Verbesina lanata* with Inhibitory Activity against Grapevine Downy Mildew. *J. Nat Prod.*, 81(4): 1130-1130; 10.1021/acs.jnatprod.8b00140.
5. RAMSEYER, J., THUERIG, B., DE MIERI, M., SHARER, H., OBERHAHSLI, T., GUPTA, M.P., TAMM, L., HAMBURGER, M. AND POTTERAT, O. 2017. Eudesmane sesquiterpenes from *Verbesina lanata* with Inhibitory Activity against Grapevine Downy Mildew, *Journal of Natural Products*. 80(12), 3296-3304; doi:10.1021/acs.jnatprod.7600868
6. SALAZAR ALLEN, N., SANTANA, A.I., GÓMEZ, N., CHUNG, C. and GUPTA, M.P. 2017. Identification of volatile compounds from three species of *Cyathodium* (Marchantiophyta: Cyathodiaceae) and *Leiosporoceros dussii* (Anthocerotophyta: Leiosporocerotaceae) from Panama, and *C. foetidissimum* from Costa Rica. *Bol. Soc. Argent. Bot.* 52(2): 357-370.
7. OLMEDO, D., GONZALEZ - MEDINA, M., GUPTA, M.P., MEDINA FRANCO, JOSE L. 2017. Chemoinformatic characterization of natural products from Panama, *Molecular Diversity* 21:779-789; doi:10.1007/s11030-017-9781-4
8. HUSSEIN, A., ROMERO, L., LÓPEZ-PÉREZ, J.L., AND GUPTA, M. 2017. 2 α -Acetoxy-15-acetylartemissifolin, a new anti-trypanosomal sesquiterpene lactone from *Mikania guaco*. *Natural Product Communications*. 12(5): 659-662.
9. DÍAZ, M.A., CRUZ, L., GUPTA, M., OLMEDO, D., LÓPEZ -PÉREZ, J.L., GUERRERO, E., and MORÁN-PINZÓN, J.A. 2017. Antinociceptive and anti-inflammatory activities of methanol extract of *Ormosia coccínea* (Aubl.) Jacks *in vivo*. *Journal of Pharmacy and Pharmacology* 5: 289-298; doi: 10.17265/2328-2150/2017.06.001

10. SANTANA, A.I., VILA, R., CAÑIGUERAL, S., GUPTA, M. 2016. Chemical Composition and biological activity of essential oils from different species of Piper from Panama. *Planta Medica*. 82:986-991; doi:10.1055/s-0042-108060.
11. CALAHAN, J., HOWARD, D., ALMALKI, A., GUPTA, M.P., CALDERÓN, A.I. 2016. Chemical Adulterants in Herbal Medicinal Products: A Review. *Planta Medica*. 82: 505-515. dx.doi.org/10.1055/s-0042-103495.
12. FOUSEKI, M. M., DAMIANAKOS, H., KARIKAS, G.A., ROUSSAKIS, C., GUPTA, M. AND CHINO, I. 2016. Chemical constituents from *Cordia alliodora* and *C. Collococca* (Boraginaceae) and their biological activities 2016. *Fitoterapia*. 115: 9-14; doi.org/10.1016/gfitote. 2016.09.004.
13. GODAL, Q.F., DORSAZ, S., MARCOURT, L., BERTINI, V., DORMIA, E., MICHELLOD, E., VOINESCO, F., GUPTA, M., GINDRO, K., SANGLARD, D., QUEIROZ, E., WOLFENDER, J. 2016. Identification of triterpenoids from *Schefflera systyla*, *Odontadenia puncticulosa* and *Conostegia speciosa* and In Depth Investigation of Their *in vitro* and *in vivo* Antifungal Activities. *J. Braz. Chem.* Vol. 28(3):443-454 00, 1-12, 2016; dx.doi.org/10.21577/0103-5053.20160271.
14. GULDBRANDSEN, N., DE MIERI, M., GUPTA, M.P., SEISER, T., WIEBE, C., DICKHAUT, J., REINGRUBER, R., SORGENFREI, O., HAMBURGER, M. 2015. Screening of Panamanian plant extracts for pesticidal properties and HPLC- based identification of active compounds. *Scientia Pharmaceutica* 83(2): 353-367; www.scipharm; doi.org/10.3797/scipharm.1410-10.
15. GOMEZ LEIJA, L., ESPINO CASTILLERO, C., GUERRERO DE LEÓN, E., MORAN PINZON, J., LOPEZ-PEREZ, J.L., MONTENEGRO NAVARRO, G., OLMEDOAGUDO, D., GUPTA, M.P. 2015. Cribado de la actividad antimicrobiana de plantas panameñas de la familia fabaceae. *Revista Médica de la Universidad de Costa Rica*. 8(2): 11-23. www.revistamedica.ucr.ac.cr
16. CHALLAL, S., FERREIRA-QUIROZ, E., DEBRUS, B., KLOETI, W., GUILLARME, D., GUPTA, M.P., WOLFENDER, J.L. 2015. Rational and efficient preparative isolation of natural products by MPLC-UV-ELSD based on HPLC to MPLC gradient transfer. *Planta Medica*; doi.org/10.1055/50035-154592.
17. GUPTA, M.P. 2015. Herbal Medicinal Products. *Pharmaceutical Policy and Law* 17: 231-249; doi. 10.3233/PPL-140110.
18. FAVRE-GODAL, Q., DORSAZ, S., QUEIROZ, E.F., MARCOURT, L., EBRAHIMI, S., ALLARD, P.M, VOINESCO, F., HAMBURGER, M., GUPTA, M., GINDRO, K., SANGLARD, D. and WOLFENDER, J.L. 2015. Anti-Candida Cassane-Type Diterpenoids from the Root Bark of *Swartzia simplex*. *Journal of Natural Products*. 78: 2994-3004; doi:10.1021/acs.jnatprod.5b00744.
19. GULDBRANDSEN, N., DE MIENI, M., GUPTA, M., LIAKOU, E., PRATSINIS, H., KLETSAS, D., CHAITA, E., ALIGIANNIS, N., SKALTSOUNIS, A.L., HAMBURGER M. 2015. Screening of Panamanian plants for cosmetic properties, and HPLC-based

identification of constituents with antioxidant and UV-B protecting activities. *Sci. Pharm.* 83:177-190; doi: 10.3797/scipharm.1409-12.

20. DURANT, A.A., RODRÍGUEZ, C., HERRERA, L., ALMANZA, A., SANTANA, I., SPADAFORA, C., GUPTA, M. P. 2014. Antimalarial activity and HS-SPME-GC-MS Chemical profiling of *Plinia cerrocampanensis* leaf essential oil, *Malaria Journal*, 13(1):18; doi: 10.1186/1475-2875 13 - 18.
21. GUPTA, M.P. 2013. Cuatro décadas de investigaciones farmacognósticas sobre la flora panameña. *Tecnociencia* 2013, Vol. 15, No. 2.
22. TAMAYO- CASTILLO, G., VÁSQUEZ, V., RÍOS, M. I., RODRÍGUEZ, M.V., SOLANO, G., ZACCHINO, S., GUPTA, M. P. 2013. Isolation of major components from the Roots of *Godmania aesculifolia* and determination of their antifungal activities, *Planta Medica* 79: 1749-1755.
23. DURANT, A., RODRÍGUEZ, C., SANTANA, A., HERRERO, C., RODRÍGUEZ, J., GUPTA, M. 2013. Analysis of volatile compounds from *Solanum betaceum* cv. fruits from Panama by Head – Space Micro-Extraction, *Rec. Nat. Prod.* 7:1, 15-26.
24. CALDERÓN, AI, HODEL, A, CRAIG, E, GUPTA, MP. Triterpenes and fatty acids from *Discophora guianensis* identified by GC-MS. *Biochemical Systematics and Ecology* 2013; 50:16-18.
25. CALDERÓN, AI, SIMITHY-WILLIAMS, J, SANCHEZ, R, ESPINOSA, E, VALDESPINO, I, GUPTA, MP. Lycopodiaceae from Panama: A new source of acetylcholinesterase inhibitors. *Natural Products Research* 2013; 27(4-5): 500-505.
26. OLMEDO, D., SANCHO, R., BEDOYA, L.M., LOPEZ-PÉREZ, J.L., DEL OLMO, E., MUÑOZ, E., ALCAMÍ, J., GUPTA, M.P. y SAN FELICIANO, A. 2012. 3-Phenylcoumarins as inhibitors of HIV -1 Replication, *Molecules*, 17, 9245-9257.
27. CALDERÓN, AI, HODEL, A, WOLFENDER, J-L, GUPTA, MP, CORREA, M, HOSTETTSMANN, K. LC-DAD-MS based metabolite profiling of three species of *Justicia* (Acanthaceae). *Natural Products Research*. 11/06/2012, doi:10.1080/14786419.2012.738207
28. SANTANA AI, GUPTA MP. 2012. El Fruto de Noni (*Morinda citrifolia* L.). 2012. *Rev. Fitoterapia* 12(1): 45-52.
29. SÁNCHEZ, L.A., OLMEDO, D., LÓPEZ –PÉREZ, J.L., WILLIAMS, T.D. and GUPTA, M.P. 2012. Two new alkylresorcinols from, *Homalomena wendlandii* and their cytotoxic activity. *Natural Product Communications*, 7: (8) 1043-1046.
30. KOUZNETSOV, V., ROJAS RUIZ, F., VARGAS, MENDEZ, L.Y., GUPTA, M:P. 2012. Simple C-2 – substituted quinoles and their anticancer activity. *Letters in Drug Design & Discovery*, 9: 680-686.
31. KOUZNETSOV, V., ZACCHINO, S., SORTINO, M., VARGAS MENDEZ, L., GUPTA, M. 2012. Cytotoxic and antifungal activities of diverse α -naphthylamine derivatives. *Scientia Pharmaceutica*, 80: 867-877.

32. CALDERON, A.I., SIMITHY-WILLIAMS, J., GUPTA, M. 2012. Antimalarial natural products drug discovery in Panama. *Pharmaceutical Biology* 50(1): 61-71.
33. Capítulo de Libro: SORTINO, V., DERITA, M., SVETAZ, L., RAIMONDI, M., DILIBERTO, M., PETENATTI, E., GUPTA, M., ZACCHINO, S. 2012. The role of natural products in discovery of new anti-infective agents with emphasis on antifungal compounds. Chapter 6, In Valdir Chechin Filho (ed). *Plant Bioactives and Drug Discovery Principles, Practice and Perspectives*, 2012, John Wiley & Sons, 205 – 240 pp.
34. DE LA TORRE, M., GUPTA, M., SCHWARTZ, J.L. 2011. Bionna – Promoción de la Bioinnovación en las Américas. *Interciencia*, 36, 5.
35. MUNIGUNTI, R., NELSON, N., MULABAGAL, V., GUPTA, M.P., BRUN, R., CALDERON, A.I. 2011. Identification of oleamide in *Guatteria recurvisepala* by LC/MS – based *Plasmodium falciparum* thioredoxin reductase ligand binding method. *Planta Medica*. 77(15): 1749-1753.
36. CABALLERO – GEORGE, C. AND GUPTA, M. P. 2011. A Quarter century of pharmacognostic research on Panamanian flora: A review. *Planta Medica* 77(11): 1189-1202.
37. CRUZ, S. M., CÁCERES, A., ALVAREZ, L., MORALES, J., APEL, M. A., HENRIQUEZ, A. T., SALAMANCA, E., GIMÉNEZ, A., VÁSQUEZ, Y., GUPTA, M. P. 2011. Chemical composition of essential oils of *Piper jacquemontianum* and *Piper variabile* from Guatemala and bioactivity of the dichloromethane and methanol extracts. *Brazilian J. Pharmacog.* 21(4): 587-593.
38. GAITÁN, I., PAZ, A.M., ZACCHINO, S., TAMAYO, G., GIMÉNEZ, A., PINZÓN, R., CÁCERES, A., GUPTA, M.P. 2011. Subcutaneous antifungal screening of Latin American plant extracts against *Sporothrix schenckii* and *Fonsecaea pedrosoi*. *Pharmaceutical Biol.* 49(9): 907 – 919.
39. SANTANA, A.I., VARGAS, D., ESPINOSA, A., DÍAZ, A., GUPTA, M. P. 2011. Chemical composition of leaf essential oils of *Calyptanthes microphylla* B. Holts & M. L., *Myrcia aff fosteri* Croat and *Eugenia octopleura* Krug & Urb from Panama. *J. Essential oils Res.* 23:5, 29-33.
40. SORTINO, M., GARIBOTTO, F., CECHINEL FILHO, V., GUPTA, M., ENRIZ, R., ZACCHINO, S. 2011. Antifungal, cytotoxic and SAR studies of a series of N-alkyl, N-aryl and N-alkylphenyl – 1,4-pyrrolediones and related compounds. *Biorganic & Med. Chem.* 19: 2824 -2834.
41. VÁSQUEZ, Y., KHAN, S. I., GUPTA, M.P., KHAN, IA. Evaluation of biological activity of Panamanian plants through a series of in vitro assays 2011. Poster P105, 10th Annual Oxford International conference on the Science of Botanicals (ICSB), Oxford, Mississippi, April 11- 14, 2011. *Planta Medica* 77: 552.
42. GUERRERO, E.I., MORÁN-PINZÓN, J.A., ORTÍZ, L.G., OLMEDO, D., DEL OLMO, E., LÓPEZ-PÉREZ, J.L., SAN FELICIANO, A., GUPTA, M.P. 2010. Vasoactive effect

of different fractions from two Panamanian plants used in Amerindian traditional medicine. *Journal of Ethnopharmacology* 131: 497 - 501.

43. VILA, R., SANTANA, A.I., PÉREZ-ROSÉS, R., VALDERRAMA, A., CASTELLI, V., MENDONÇA, S., ZACCHINO, S., GUPTA, M.P., AND CAÑIGUERAL, S. 2010. Composition and biological activity of the essential oil from leaves of *Plinia cerrocampanensis*, a new source of α -bisabolol. *Bioresource Technology* 101(7): 2510 - 2514.
44. CALDERON, A.I., CUBILLA, M., ESPINOSA, A., GUPTA, M. P. 2010. Screening of plants of Amaryllidaceae and related families from Panama as sources of acetylcholinesterase inhibitors. *Pharmaceutical Biology*. 48(9): 988-993.
45. BURMAN, R., GRUBER, C. W., RIZZARDI, K., HERMANN, GUPTA, M. P., GÖRANSSON, U., 2010. Cyclotide proteins and precursors from the genus *Gloespermum* – Filling a blank spot in the cyclotide map of Violaceae. *Phytochemistry* 71: 13 - 20.
46. CALDERON, A.I., CHUNG, K., GUPTA, M. P., 2009. Ecdysteroids from *Dichorisandra hexandra* (Commelinaceae). *Biochemical Systematics and Ecology*. 37:693-695.
47. MARTÍN, F., HAY, A.E., CRESSERD, D., REIST, M., VIVAS, L., GUPTA, M. P., CARRUPT, P. A., HOSTETTMANN, K., 2009. Antioxidant C-glucosylxanthones from the leaves of *Arrabidaea pantellifera*, *J. Nat. Prod.*, 71: 1887 – 1890.
48. GUERRERO, E. A., MORAN – PINZÓN, J. A., LÓPEZ – PÉREZ, J. L., OLMEDO, D., GUPTA, M. P. 2009. Vasorelaxant properties of acid and neutral fractions of *Dimerocostus strobilaceus* Kuntze used by Kuna Indians of Panama. *Journal of Ethnopharmacology* 124: 159 – 161.
49. CALDERÓN, A.I., SIMITHY, J., QUAGGIO, G., ESPINOSA, A., LÓPEZ – PÉREZ, J. L., AND GUPTA, M.P., 2009. Triterpenes from *Warszewiczia coccinea* (Rubiaceae) as inhibitors of acetylcholinesterase. *Natural Products Communications* 4(10): 1323 – 1326.
50. CALDERÓN, A.I., ROMERO, L.I., ORTEGA-BARRIA, E., SOLÍS, P.N., ZACCHINO, S., GIMÉNEZ, A., PINZÓN, R., CÁCERES, A., TAMAYO, G., GUERRA, C., ESPINOSA, A., CORREA M. AND GUPTA, M. P. 2009. Screening of Latin American Plants for antiparasitic activities against malaria, chagas´disease, and leishmaniasis. *Pharmaceutical Biology*, 48(5):545-553.
51. SANTANA, A. I., VILA, R., ESPINOSA, A., OLMEDO, D., GUPTA, M. P., CAÑIGUERAL, S. 2009. Composition and biological activity of essential oils from *Protium confusum*. *Natural Products communications* 4(10): 1401-1406.
52. SVETAZ, L., ZULJAN, F., DERITA, M., PETENATTI, E., TAMAYO, G., CÁCERES, A., CECHINEL FILHO, V., GIMÉNEZ, A., PINZÓN, R., ZACCHINO, S., GUPTA, M. P. 2009. Value of the ethnomedical information for the discovery of plants with antifungal properties. A survey among seven Latin American Countries, *Journal of Ethnopharmacology*, 127(1): 137-158.
53. AGUIRRE – BASTOS, C., GUPTA, M. P. 2009. Science, Technology and Innovation policies in Latin America: Do they work? *Interciencia*. 34(12): 865-872.

54. GUPTA, M. P., TINTO, W. 2009. Contribution to Pharmacognosy in Iberoamerica and the Caribbean. In: Craig, G. (ed). The American Society of Pharmacognosy, 50 years of Progress in Natural Products Research 1959 – 2009, pp. 158 – 159.
55. AGUIRRE – BASTOS, C., GUPTA, M. P. 2009. Editorial. Treinta Años de Viena y Diez de Budapest: Dónde estamos en América Latina, *Interciencia* 4 (8). p 1.
56. CHAGUTURU, R., GUPTA, M. P. 2008. HTS & Drug Discovery: Latin American Perspectives and Collaborations. *SBS News*. December 2008, Issue 37, p. 4.
57. FROELICH, S., GUPTA, M.P., SIEMS, K., JENETT - SIEMS, K. 2008. Phenylethylglycosides from *Stachytarpheta cayennensis* (Rich.) Vahl, verbenaceae, a traditional antimalarial plant. *Brazilian Journal of Pharmacognosy* 18(4): 517 -520.
58. GUPTA, M. P. 2008. Plantas Medicinales Iberoamericanas, Convenio Andrés Bello, Serie de Ciencia y Tecnología No. 158, Bogotá, Colombia, 1003 pp., I.S.B.N.: 978-958- 698-209-2.
59. HOSTETTMANN, K., GUPTA, M. P., MARSTON, A., FERREIRA QUIRÓZ, E. 2008. Handbook of Strategies for the Isolation of Bioactive Natural Product, Convenio Andrés Bello, Serie de Ciencia y Tecnología No. 160, 114pp., I.S.B.N.: 978-958-698-210-8.
60. KURSAR, T.A., CAPSON, T.L., CUBILLA, L., EMMEN, D.A., GERWICK, W. GUPTA, M.P., SÉLLER, M.V., McPHAIL, K., ORTEGA-BARRÍA, E., QUIRÓS, D.I., ROMERO, L.I., SOLÍS, P.N. and COLEY, P.D. 2008. Linking insights from ecological research with bioprospecting to promote conservation, enhance research capacity, and provide economic uses of biodiversity. In: *Tropical Forest Community Ecology*, pag. 429-441.
61. SOLÍS, P.N., OLMEDO, D.A., GUPTA, M.P. 2008. Ejemplo de determinaciones estructurales. 5.3. Aislamiento y Caracterización de lignanos de *Piper fimbriatum* Estructural de Compuestos Naturales, In: San feliciano A. et al *Manual de Determinación Estructural de Compuestos Naturales.*: pag. 547-549, Quebecor, World Bogotá
62. OLMEDO, D.A., LÓPEZ-PÉREZ, J.L., DEL OLMO, E., VÁSQUEZ, Y., SAN FELICIANO, A., GUPTA, M.P. 2008. A new cytotoxic friedelane acid-pluricostatic acid and other compounds from the leaves of *Marila pluricostata*. *Molecules*, 13:2915 -2924.
63. MONGE, A., PINZÓN, R., MORA, G., NÚÑEZ, A., CHIRIBOGA, S., CÁCERES, A., RIVERA, G., BOCANEGRA-GARCÍA, V., GUPTA, M.P., FERRO, E.A., PERALTE, I., LOCK, O., FLORES, D., SALAZAR, L., GUZMAN, O.D., CERECETTO, H. and GONZÁLEZ, M. 2008. Functional Foods: Reflections on an expanding market. *Chemistry International*. 30(5): 9-13.
64. MORÁN-PINZÓN, J., OLMEDO, D., GUPTA, M.P., GUERRERO, E. 2008. Evaluación vascular y efecto hipotensor de plantas del género *Marila*. *Revista Médica de la Universidad de Costa Rica*. 2:1 art4.
65. QUIROGA, J., COBRO, D., INSUATY, B., ABONIA, R., HOGUERAS, M., COBO, J., VÁSQUEZ, Y., GUPTA, M.P. DERITA, M., and ZACCHINO, S. 2007. Synthesis and

evaluation of novel E-2-(2-thienyl)-and Z-2(3-thienyl)-3-arylacrylonitriles as antifungal and anticancer agents. Arch. Pharm. Chem Life Sci. 340: 603 – 606

66. MARTIN, F., HAYS, A.E., CORNO, L., GUPTA, M.P., and HOSTETTMANN, K. 2007. Iridoid glycosides from the items of *Pithecoctenium crucigerum* (Bignoniaceae) *Phytochemistry* 68:1307-1311
67. OLMEDO, D., RODRÍGUEZ, N., VÁSQUEZ, Y., SOLÍS, P.N., LÓPEZ PEREZ, J.L., SAN FELICIANO, A., and GUPTA, M.P. 2007. A new coumarin from fruits of *Coutarea hexandra*. *Natural Products Research*. 21 (7): 625-631.
68. ZACCHINO, SUSANA y GUPTA, M.P. 2007. Manual de técnicas in vitro para la detección de compuestos antifúngicos. Corpus Editorial y Distribuidora Suipacha 581, Rosario, Argentina
69. CALDERÓN, A.I., ROMERO, L., ORTEGA-BARRÍA, E., BRUN, R., CORREA, M., and GUPTA, M.P. 2006. Evaluation of larvicidal and in vitro antiparasitic activities of plants in a biodiversity plot in the Altos de Campana National Park, Panama, *Pharmaceutical Biology* 44: 487- 498.
70. KURSAR, T.A., CABALLERO, C. C., CAPSON, T.L., CUBILLA, L.C., GERWICK, W.H., GUPTA, M.P., HELLER, M.V., IBÁÑEZ, A., LININGTON, R.G., MCPHAIL, K.L., ORTEGA B., E., ROMERO, L.I., and COLEY, P.D. 2006. Securing economic benefits and promoting conservation through bioprospection. *BioScience* 56 (12):1005 - 1012.
71. SOLÍS, P.N., NAKAMURA, N., OLMEDO, D., HATTORI, M., and GUPTA, M.P. 2006. Parathesilactones and parathesiquinones from branches of *Parathesis amplifoli*, *Pharmaceutical Biology* 44 (5): 328 – 335.
72. KOUZNETSOV, V.V., PUENTES, C.O., ROMERO GOHORQUEZ, A.R., ZACCHINO, S.A., SORTINO, M., GUPTA, M.P., VÁSQUEZ, Y., BAHSAS, A., and AMARO, J.L. A straightforward synthetic approach to antitumoral pyridinyl substituted 7H- indolo (2,2-c) quinoline derivatives via three- component imino diels- alder reaction. *Letters in Organic Chemistry* 3 (4): 300-304.
73. CALDERÓN, A.I., VÁSQUEZ, Y., SOLÍS, P.N., CABALLERO-GEORGE, C., ZACCHINO, S., GIMÉNEZ, A., PINZÓN, R., CÁCERES, A., TAMAYO, G., CORREA, M., and GUPTA, M.P. 2006. Screening of Latin American plants for Cytotoxicity *Pharmaceutical Biology*, 44 (2): 130-140.
74. GUPTA, M.P., HANDA, S.S., and VASISHT, K.2006. Biological screening of plant constituents training manual, 114 p. International Center for Science & High Technology, (ICS/UNIDO) Trieste, Italy
75. JACOBO-HERRERA, N.J., BREMNER, P., MÁRQUEZ, N., GUPTA, M.P., GIBBONS, S., MUÑOS, E., and HEINRICH, N.I. 2006. Physalins from *Witheringia solanacea* as modulator of the NF – KB cascade. *Journal of Natural Products*: 69: 328 –331.
76. PECCHIO, M., SOLÍS, P.N., LÓPEZ- PÉREZ, J.L., VÁSQUEZ, Y., RODRÍGUEZ, N., OLMEDO, D., CORREA, M., SAN FELICIANO, A., and GUPTA, M.P. 2006. Cytotoxic

and antimicrobial benzophenones from the leaves of *Tovomita longifolia* Journal of Natural Products, 69: 410- 413.

77. RUEGG, T., CALDERÓN, A.I., QUIRÓZ, E.F., SOLÍS, P.N., MARSTON, A., RIVAS, F., ORTEGA – BARRIA, E., HOSTETTMANN, K. and GUPTA, M.P. 2006. 3 Farnesyl – 2 – hydroxybenzoic acid is a new anti-*Helicobacter pylori* compound from *Piper multiplinervium*. Journal of Ethnopharmacology 103: 461-467.
78. RODRIGUEZ, N., RODRIGUEZ, M., CALDERON, A.I., SAN FELICIANO, A., SOLIS, P.N., GUPTA, M.P. 2005. Anesthetic activity of pipericallosine isolated from *Piper darienense*. Revista Latinoamericana de Química 33/2:115-120.
79. OSORIO – HERRERA, S., GAITÁN IBARRA, R., DÍAZ – CASTILLO, F., OLMEDO, D., GUPTA, M.P. 2005. Aislamiento de caracterización de un nuevo quasinoide a partir del extracto en diclorometano de semillas de *Simaba cedron* Planch. Actual Biol. 27 (Supl 1): 43-48, 2005.
80. HUSSEIN, A.A., OLMEDO, D.A., VASQUEZ, Y., COLEY, P., SOLIS, P.N., GUPTA, M.P. 2005. New cytotoxic cinnamic acid derivatives from leaves of *Bonomia tricantha*. Rev. Latinoameri. Quim. 33(2): 90-96.
81. NAVAL, M.V., GÓMEZ – SERRANILLOS, M.P., CARRETERO, M.E., GUPTA, M.P., VILLAR, A.M. 2004. Study of antistress activity of the methanol and hydromethanol extracts of *Lepidium virginicum* L. Revista de Fitoterapia 4(2): 157-159.
82. FRIEDRICH, U., SIEMS, K., SOLIS, P.N., GUPTA, M.P., JENETT- SIEMS, K. 2005. New prenylated benzoid acid derivatives benzoic acid derivatives of *Piper hispidum* Pharmazie 60: 455-457.
83. SOLÍS, P.N., OLMEDO, D., NAKAMURA, N., CALDERON, A.I., HATTORI and GUPTA, M.P. 2005. A new larvicidal lignan from *Piper fimbriatum*. Pharmaceutical Biology 43(4): 378-381, 2005.
84. GOMEZ BARRIO, A., MARTINEZ GRUEIRO, M.M., MONTERO, D., NOGAL, J.J., ESCARIO, J.A., MUELAS, S., FERNANDEZ, C., VEGA, C., ROLÓN, M., MARTINEZ FERNANDEZ, A.R., SOLIS, P.N., GUPTA, M.P. 2005. In vitro antiparasitic activity of plant extracts from Panama, Pharmaceutical Biology 42(4/5): 332-337.
85. GUPTA, M.P. SOLIS, P.N., CALDERON, A.I., GUIONNEAU – SINCLAIR, F., CORREA, M., GALDAMES, C., GUERRA C., ESPINOSA, A., ALVENDA, G.I., ROBLES G., OCAMPO, R. 2005. Medical Ethnobotany of the Teribes of Bocas del Toro, Panama. Journal of Ethnopharmacology 96:389-401.
86. HUSSEIN, A., BARBERENA, I., CORREA, M., COLEY, P., SOLIS, P., and GUPTA, M. 2005. Cytotoxic flavonol glycosides from *Triplaris cumingiana*. Journal of Natural Products 68: 231-233.
87. BARBERENA, I., CALDERON, A.I., SOLIS, P.N., CORREA, M., RISCO, E., CAÑIGUERAL, S., ALVAREZ, E., FERNANDEZ, T., HAJOS, S., GUPTA, M.P. 2004. Screening of anticancer and immunomodulatory activities of Panamanian Plants. Pharmaceutical Biology 42(7): 552-558.

88. GUPTA, M.P. 2004. Current status of Traditional, Complementary and Alternative medicine in the Americas. In "Proceedings of the International Meeting on the Global Atlas of Traditional Medicine". WHO Kobe Center for Health Development, 56-94 pp.
89. GARCIA, G.M., CAÑIGUERAL, S., GUPTA, M.P. 2004. Legislación en Iberoamérica sobre fitofármacos y productos naturales medicinales. *Revista Fitoterapia*. 4(1): 53-62.
90. CABALLERO GEORGE, C., VANDERHEYDEN, P.M.L., OKAMOTO, Y., MASAKI, T., MBWANBO, Z., APERS, S., GUPTA, M.P., PIETERS, L., VUQUELIN, G. and Vlietinck, A. 2004. Evaluation of bioactive saponins and triterpenoidal aglycons for their binding properties on human endothelin Eta and Angiotensin AT₁ receptors. *Phytotherapy Research* 18: 729-236.
91. GUPTA, M.P. 2004. Status of legislation of herbal medicinal products in Iberoamerica. *Journal of Complementary and Integrative Medicine*. On Line Journal of The Berkeley Electronic Press. California, U.S.A.
92. VILA, R.I, CAÑIGERAL, S., SANTANA, A.I., SOLIS, PN. and GUPTA, M.P. 2004. Constituents and biological activity of the essential oil of *Eugenia acapulcensis* Steud. *Journal of Essential Oil Research* 16:384-386.
93. HUSSEIN, A.A., BARBERENA, I., CAPSON, T.L., KURSAR, T.A., COLEY, P. D., SOLÍS, P.N. and GUPTA, M.P. 2004. New cytotoxic naphthopyrane derivatives from *Adenaria floribunda*. *Journal of Natural Products* 67(3): 451-453.
94. GUPTA, M.P. 2004. Pharmacognostic Research on Panamanian Flora. *An. R. Acad. Nac. Far.*: 70: 839-883.
95. SIEMS, K.J., KOHLER, I.A., KRAFT, C., SIEMS, K., SOLIS, P.N., GUPTA, M.P. and BIENZLE, U. 2003. Cornutins C-L, neo – clerodane – type diterpenoids from *Cornutia grandiflora* var. *intermedia*. *Phytochemistry* 64(3): 797-804.
96. CALDERON, A.J., TERREAUX, C., GUPTA, M.P., HOTETTMANN, K., AND SHENK, K., 2003. Taxiphyllin from *Henriettella fascicularis*. *Acta Crystallographica*. C 59: 147-176.
97. RODRÍGUEZ, N., VASQUEZ, Y., HUSSEIN, A., COLEY, P., SOLIS, P.N., GUPTA, M.P. 2003. Cytotoxic cucurbitacin constituents from *Slonea zuliaensis*. *Journal of Natural Products* 66:1515-1516.
98. CALDERÓN, A.I. TERREAUX, C., GUPTA M.P., HOTETTMANN, K., 2003. In vitro cytotoxicity of 11 Panamanian plants. *Fitoterapia* 74: 378-383.
99. VILA, R., TOMI, F., MUNIDNA, M., SANTANA, A.I., SOLIS, P.N., LOPEZ, JOSE B., BALDERRAMA, J., IGLESIAS, J., GUPTA, M.P., CASANOVA, J., CAÑIGUERAL, S. 2003. Unusual composition of the essential oils from the leaves of *Piper aduncum* from Panama and Bolivia. *Flavour Fragrance Journal* 20(1): 67-69, 2005.
100. CABALLERO GEORGE, C., VANDERHEYDEN, P.M., SOLÍS, P.N., GUPTA, M.P., PIETERS, L; VAUQUELIN, G & VLIETINCK, A. 2003. In vitro effect of sanguinarine

alkaloid on binding of [3 H] candesartan to the human angiotensin AT₁ receptor. *European Journal of Pharmacology* 458: 257-262.

101. COLEY, P. D., SÉLLER, M.V., AIZPRUA, R., ARAÚZ, B., FLORES, N., CORREA, M., GUPTA, M., SOLÍS, P., ORTEGA BARRÍA, E., ROMERO, L.I., GÓMEZ, B., RAMOS, M., CUBILLA-RIOS, L., CAPSON T.L., AND KURSAR, T.A. 2003. Using ecological criteria to design plant collection strategies for drug discovery. *Frontiers in Ecology and the Environment* 1(8): 421-428.
102. SIEMS, J., KRAFT, C., JAKUPOVIC, J., SOLIS, P.N., BIENZLE, U., GUPTA, M.P. 2003. Sipaucins A- C, sesquiterpenoids from *Siparuna pauciflora*. *Phytochemistry* 63: 377-381.
103. SANCHEZ, C., GUPTA, M.P., SANTANA, A.I. 2003. Actividad inmunomoduladora de las plantas. *Revista de Fitoterapia* 3(1): 45-62
104. HUSSEIN, A.A., GOMEZ, B., RAMOS, M., SÉLLER, M., COLLEY, P.D., SOLIS, P.N, GUPTA, M.P. 2003. Constituents of *Hiraea reclinata* and their anti-HIV activity. *Revista Latinoamericana de Química* 31(2): 74-77.
105. HUSSEIN, A.A., BOZZI, B., CORREA, M., CAPSON, T. L., KURSAR, T.A., COLEY, P., SOLIS, P.N. and GUPTA, M.P. 2003. Bioactive constituents from three *Vismia* species. *Journal of Natural Products* 66 (6): 858-860.
106. GUPTA, M. P. and CACERES, A. 2003. The Experience of the Iberoamerican Programe of Science and Technology for Development in Latin America. In: *Medicinal Plants and their Utilization*, K. Vasisht and V. Kumar (eds). International Center of Science and Hith Technology (ICS/UNIDO), Trieste pp – 125 – 140.
107. SANCHEZ, C., GUPTA, M.P., SANTANA, A.I. 2002. Actividad inmunomoduladora de las plantas. *Revista de Fitoterapia* 2: 151-163.
108. CABALLERO GEORGE, C., VANDERLEYDEN, P.M.L. APERS, S., VANDEN HEUVEL, H., SOLIS, P.N, GUPTA, M.P., CALEYS, M., PIETERS, L., VAUQUELIN, G., VLIETINCK, A.J. 2002. Inhibitory activity on binding of specific ligands to the human angiotensin II AT₁ and endothelin 1 EtA receptors: Bioactive Bezo[c] pteranthridine alkaloids from the roots of *Bocconia frutenscens*. *Planta Medica* 68: 770-775.
109. DE LEÓN, E.J., OLMEDO, D.A., SOLÍS, P.N., GUPTA, M.P. and TERCENIO, M.C. 2002. Diayangambin exerts immunosuppressive and anti-inflammatory effects in vitro and in vivo. *Letter. Planta Medica* 68: 1128 – 1131.
110. CALDERÓN, A.I., TERREAUX, C., SCHENK, K., PATTISON, P., BUDETTE, J.E., PEZZUTO, J.M., GUPTA, M.P. and HOSTETTSMANN, K. 2002. Isolation and structure elucidation of an isoflavone and a sesterterpenoic acid from *Henriettella fascicularis*. *Journal of Natural Products* 65(12): 1749-1753.
111. VILA, R., MUNDINA, M., TOMI, F., CICCIO, J.F., GUPTA, M.P., IGLESIAS, J., CASANOVA, J., y CAÑIGUERAL, S. 2002. Constituents of the essential oils from *Piper friedrichsthalii* and *P. pseudolindenii* C.CD. from Central America. *Flavour and Fragrance Journal* 18: 198-201.

112. MOLINARI, A., OLIVA, A., REINOSO, P., MIGUEL del CORRAL, J.M., CASTRO, M.A., GORDALIZA, M., GUPTA, M.P., SOLIS, P. and San Feliciano, A. 2002. Cytotoxic – antineoplastic activity of hydroquinone derivates European Journal of Medicinal Chemistry 37: 177-18.
113. VILA, R., IGLESIAS, J., CAÑIGUERAL, S., SANTANA, A.I., SOLIS, P. N., GUPTA, M. P. 2002. Chemical composition and biological activity of the leaf oil of *Siparuna thecaphora* (Poepp.et Endl.) A.DC. Journal Essential Oils Research 14: 66- 67
114. OVENDEN, S.P.B., CAO, S., LEONG, C., FLOTOW, H., GUPTA, M.P. BURNS, A.D., BUTLER, M.S. 2002. Spermine alkaloids from *Albizia adinocephala* with activities against *Plasmodium falciparum*. Phytochemistry. 60: 175-177.
115. CABALLERO-GEORGE, C., VANDERHEYDEN, P., SOLIS, P., PIETERS, L., SHAHAT, A.A., GUPTA, M.P., VAUQUELIN, G., and VLIETINCK, A. 2001. Biological screening of selected medicinal Panamanian plants by radioligand-binding techniques. Phytomedicine 8(1): 59-70.
116. CALDERON, A.I., ESPOSITO – AVELLA, M., BUITRAGO DE TELLO, R.E., PEZZUTO, J.M., SANCHEZ, C., GUPTA, M.P. 2001. Antiinflammatory and analgesic activities of *Vochysia ferruginia*. Mart. Pharmaceutical Biology. 39(1): 35-39.
117. RATCHFORD, M.S. and GUPTA, M.P. (Guest Editors) . Ethnobotanical and Biprospective Effects on Drug Discovery in the Next Millennium. Pharmaceutical Biology, Vol. 39 (supplement) 2001. ISN 1388 – 0209, pp. 1 – 91.
118. GUPTA, M. P. 2001. Natural Products Research in Latin America. Pharmaceutical Biology 39, Supplement 80 – 91.
119. IOSET, J.R., MARSTON, A., GUPTA, M.P., and HOSTETTMANN, K. 2001. Five new prenylated stilbenes from the root bark of *Lonchocarpus chiricanus*. Journal of Natural Products 64(6): 710 – 715, 2001.
120. IOSET, J.R., MARSTON, A., GUPTA, M.P., and HOSTETTMANN, K. 2001. A methyflavon with free radical scavenging properties from *Pancreatium littorale*. Fitoterapia 72: 35-39.
121. SAHPAZ, A., GUPTA, M.P., HOSTETTMANN, K., 2000. Triterpene saponins from *Randia formosa*. Phytochemistry 54: 77-84.
122. IOSET, JR., MARSTON, A., GUPTA, M.P. HOSTETTMANN, K. 2000. Antifungal and larvicidal compounds from the root bark of *Cordia alliodora*. Journal of Natural Products. 63: 424-426.
123. CALDERON, A.I., ANGERHOFER, C.K., PEZZUTO, J.M., FARNSWORTH, N.R., FOSTER, R., CONDIT, R., GUPTA, M.P. and SOEJARTO, D.D. 2000. Forest Plot as a Tool to demonstrate the pharmaceutical potential of plants in a tropical forest of Panama. Economic Botany 54(3): 278-294 .

124. KRAFT, C., JENETT-SIEMS, K., SIEMS, K., GUPTA, M.P., BIENZLE, U., and EICH, E. 2000. Antiplasmodial activity of isoflavones from *Andira inermis*. *Journal of Ethnopharmacology* 73: 131-135.
125. CABALLERO-GEORGE, C., VANDERHEYDEN, P.M.L., SOLIS, P.N, PIETERS, L., SHAHAT, A.A., GUPTA, M.P., VAUQUELIN, G., and VLIETINCK, A.J. 2000. Biological screening of selected medicinal Panamanian plants by radioligand-binding techniques. *Phytomedicine* 8(1): 59-70.
126. SIEMS, J., MOCKENHAUPT, F.P., BIENZLE, U., GUPTA, M.P., EICH, E. 1999. In vitro antiplasmodial activity of Central American medicinal plants. *Tropical Medicine and International Health*. 4(9): 611-615.
127. GUPTA, M.P., VLIETINCK A. AND CÁCERES, A. (eds.). 1999. *Memoirs of Section VI. Standardization, Quality Control and Registration of Herbal Medicinal Products, presented at the II World Congress on Medicinal and Aromatic Plants for Human Welfare (WOCMAP II)*. Mendoza, Noviembre 10-15, 1997. 90 p.
128. PEREZ – VICTORIA, J.M., TINCUSI, B.M., JIMÉNEZ, I.A., BAZZOCCHI, I.L., GUPTA, M.P., CASTANYS, S., GAMARO, F., AND RAVELO, A.G. 1999. New natural Sesquiterpenes as modulators of daunomicyn resistance in a multidrug resistant *Leishmania tropica* line. *Journal of Medicinal Chemistry* 42(21): 4388 -4393.
129. SIEMS, J., JAKUPOVIC, J., SOLIS, P.N., GUPTA, M.P., MOCKENHAUPT, F.P., BIENZLE, U., EICH, E. 1999. Spandinolide: A butenolide including a novel type of carbon skeleton from *Siparuna andina*. *Tropical Medicine and International Health* 66: 384-385.
130. KURSAR, T.A., CAPSON, T.L., COLEY, P.D., CORLEY, D.G., GUPTA, M.P., HARRISON, L.A., ORTEGA – BARRÍA, E. and WINDSOR, D.M. 1999. Ecologically based bioprospecting in Panamá. *Pharmaceutical Biology* 37: (supplement), 114-126.
131. ITO, A., LEE, Y.H., CHAI, H.B., GUPTA, M. P., FARNSWORTH, N.R., CORDELL, G.A., PEZZUTO, J.M., KINGHORN, A.D. 1999. 1', 2', 3', 4 - Tetrahydrotubulosine, a cytotoxic alkaloid from *Pogonopus speciosus*. *Journal of Natural Products*, 62(9): 1346 - 1348.
132. HOSTETTMANN, K., GUPTA, M.P., and MARSTON, A. (eds) . *Chemistry, Biological and Pharmacological Properties of Medicinal Plants from the Americas*, Harwood Academic Publishers, Amsterdam, 1999, 226 pp.
133. GUPTA, M., SOTO, A., SOLÍS, P. 1999. Alcaloides derivados el triptófano. Capítulo 20 In: Villar del Fresno, A. (ed). *Farmacognosia General*. Editorial Síntesis. 305 – 321
134. MATSUSE, I.T., LIM, Y.A., HATTORI, M., CORREA, M. and GUPTA, M.P. 1999. A search for anti-viral properties in Panamanian Medicinal plants. The effects on HIV and its essential enzymes. *Journal of Ethnopharmacology*, 64: 15 - 22.
135. SCHIMMING, T., TOFERN, B., MANN, P., RICHTER, A., JENNETT-SIEMS, K., DRAGUER, G., ASANA, N., GUPTA, M.P., CORREA, M.D., AND EICH, E. 1998.

- Distribution and Taxonomic significance of calystegines in the Convolvulaceae. *Phytochemistry* 49(7): 1989-1995.
136. RODRIGUEZ, S., WOLFENDER, J.L., HOSTETTMANN, K., STOECKLI-EVANS, H., GUPTA, M.P. 1998. Monoterpene dimmers from *Lisianthus seemanii*. *Helvetica Chimica Acta* 81: 1393 – 1403.
 137. IOSET, J.R., MARSTON, A., GUPTA, M.P., HOSTETTMANN, K. 1998. Antifungal xanthenes for roots of *Marila laxiflora*. *Pharmaceutical Biology* 36(2): 103 – 106.
 138. IOSET, J.R., MARSTON, A., GUPTA, M.P. AND HOSTETTMANN, K. 1998 Antifungal and larvicidal meroterpenoid naphthoquinones and a naphthoxirene from the roots of *Cordia linnaei*. *Phytochemistry*, 47(5): 729-734.
 139. SIEMS, J.K., SCHIMMING, T., KALOGA, M., EICH, E., SIEMS, K., GUPTA, M.P., WITTE, L. AND HARTMANN, T. 1998. Pyrrolizidine alkaloids from *Ipomoea heredifolia* and related species. *Phytochemistry*. 47(8): 1551 – 1560.
 140. TERREAUX, C., GUPTA, M.P., HOTETTMANN, K. 1998. Antifungal benzoic acid derivatives from *Piper dilatatum*. *Phytochemistry*, 49 (2): 461 – 464.
 141. KARIKAS, G., GUPTA, M.P., RAVELO, A., GONZALEZ, A. 1998. Physalin B from *Witheringia huzikeri*. *Fitoterapia* 69(5): 468-469.
 142. SEGURA, L., VILA, R., GUPTA, M.P., ESPOSITO-AVELLA, M., ADZET, T., CAÑIGUERAL, S. 1998. Antiinflammatory activity of *Anthurium cerrocampanense* Croat in rats and mice. *Journal of Ethnopharmacology* 61: 243-248.
 143. GUPTA, M.P. Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo CYTED, Subprograma X. Química Fina Farmacéutica: Logros y Perspectivas, 1998. Industria Farmacéutica, Analítica y Biotecnología, Sección de Plantas Medicinales, Marzo /Abril Año XIII, 2:63-70.
 144. MUNDINA, M., VILA, R., TOMI, F., GUPTA, M.P., ADZET, T., CASANOVA, J. 1998. Leaf essential oils of three Panamanian *Piper* species. *Phytochemistry* 47(7): 1277 – 1282.
 145. CRAGG, G.M., BAKER, J.T., BORRIS, R.P., CARTE, B., CORDELL, G.A., SOEJARTO, D.D., GUPTA, M.P., IWA, N.M., MADULID, D. and TYLER, V. 1997. Interactions with source countries. Guidelines for members of the American Society of Pharmacognosy. *Journal of Natural Products* 60(6): 654-655.
 146. GUPTA, M.P. 1997. La industria de fitofármacos en Latinoamérica - experiencia de CYTED en Fitofármacos Xavier Lozoya y Enrique Gómez (eds). Simposio IMSS Farmasa Schwabe, pp. 19 - 70.
 147. SOLIS, P.N., RAVELO, A.G., PALENZUELA, J. A., GUPTA, M.P.M, GONZALEZ, A. and PHILLIPSON, J. D. 1997. Quinoline alkaloids from *Psychotria glomerulata*. *Phytochemistry* 44(5): 963 - 969.

148. LIM, Y., MEI, M.C., KUSUMOTO, I.T., MIYASHIRO, H., HATTORI, M., GUPTA, M.P., CORREA, M. 1997. HIV - 1 reverse transcriptase inhibitory principles from *Chamaesyce hyssopifolia*. *Phytoteraphy Research* 11, 22-27.
149. LIM, Y.A., KOJIMA, S., NAKAMURA, N., MIYASHIRO, H., FUSHIMI, H., KOMATSU, K., HATTORI, M., SHIMOTOHNO, K., GUPTA, M.P. AND CORREA, M. 1997. Inhibitory effects of *Cordia spinescens* extract and other constituents on Reverse Transcriptase and Protease form Human Immunodeficiency Virus. *Phytotherapy Research* 11:490 – 495.
150. TERREAUX, C., MAILLARD, M., GUPTA, M.P., and HOSTETTMANN, K. 1996. Triterpenes and triterpene glycosides from *Paradrymonia macrophylla*. *Phytochemistry*, 42(2): 495-499.
151. GUPTA, M. P. 1996. Plantas Medicinales en la Terapéutica Moderna. En Exclusiva. *Revista de Banco General, Panamá*, Feb- marzo, 13 pp.
152. GUPTA, M.P., MONGE, A., KARIKAS, G.A., LÓPEZ DE SERRAIN, A., DE LEÓN, E., TRUJILLO, M., SUAREZ, O., WILSON, F., MONTENEGRO, G., NORIEGA, Y., SANTANA, A., SANCHEZ, C. AND CORREA, M. 1996. Screening of Panamanian medicinal plants for brine shrimp toxicity, crown gall tumor inhibition, cytotoxicity and DNA intercalation. *International Journal of Pharmacognosy* 34(1): 19-27.
153. MARSTON, A., DUDAN, G., GUPTA, M.P., SOLIS, P., CORREA, M.D., and HOSTETTMANN, K. 1996. Screening of Panamanian plants for molluscicidal activity. *International Journal of Pharmacognosy* 34(4): 15-18.
154. ACHENBACH, H., LOTTES, M., WAIBEL, R., KARIKAS, G., CORREA, M. GUPTA, MP. 1995 Alkaloids and other compounds from *Psychotria correae*. *Phytochemistry* 38(6): 1537-1545.
155. VALENCIA, E., MADINAVEITIA, A., BERMEJO, J., GONZALEZ, A.G. and GUPTA, M.P. 1995. Alcaloides from *Cassia grandis*. *Fitoterapia* 66(5): 476-477.
156. MADINAVEITIA, A., VALENCIA, E., BERMEJO, J., GONZALEZ, A.G., and GUPTA, M.P. 1995 A new sarpagine-type alkaloid N1-methyl-11-hydroxymacucine A, *Journal of Natural Products* 58(2): 250 - 253.
157. GONZALEZ, A.G., ALVARENGA, N.L. RODRIGUEZ, F., RAVELO, A.G., JIMENEZ, I.A., BAZZOCCHI, I.L., GUPTA, M.P. 1995. New phenolic and quinonemethide triterpenes from *Maytenus* species (Celastraceae). *Natural Products Letters* 7:209-218.
158. SILVA, G.L., CHAI, H., GUPTA, M.P., FARNSWORTH, N.R., CORDELL, G.A., PEZZUTO, J.M., BEECHER, C.W.W. and KINGHORN, D. 1995. Cytotoxic bioflavonoides from *Selaginella willdenowii*. *Phytochemistry* 40(1): 129-134, 1995.
159. TERREAUX, C., MAILLARD, M., GUPTA, M.P., and HOSTETTMANN, K. 1995. Xanthones from *Schultesia lisianthoides*. *Phytochemistry* 40(6): 1791 - 1795.

160. RAHALISON, L., BENATHAN, M., MONOD, M., FRENK, E., GUPTA, M.P., SOLIS, P.N., FUZZATI, N., and HOSTETTMANN, K. 1995. Antifungal principles of *Baccharis pedunculata*. *Planta Medica*, 61: 360-362.
161. HATTORI, M. NAKABAYASHI, T., LIM, Y.A., MIYASHIRO, H., KUROKAWA, M., SHIRAKI, K., GUPTA, M.P. CORREA, M., PILAPITIYA, U. 1995. Inhibitory effects of various Ayurvedic and Panamanian medicinal and plants on the infection of Herpes simplex virus 1 in vitro and in vivo. *Phytotherapy Research* 9, 270-276.
162. TERREAUX, C., MAILLARD, M., STOECKLI - EVANS, H., GUPTA, M.P., DOWNUM, K.R., QUIRKE, J.M.E. AND HOSTETTMANN, K. 1995. Structure revision of a furano - coumarin from *Dorstenia contrajerva*. *Phytochemistry* 39(3): 645 - 647.
163. BAKER, J.T., BORRIS, R.P., CARTE, B., CORDELL, G.A., SOEJARTO, D.D., CRAGG, G.M., GUPTA, M.P., IWU, M.M., MADULID, D.R. and TYLER, V.E. 1995. Natural Product drug discovery and development: New perspectives on international cooperation. *Journal of Natural Products* 58(9): 1325 - 1357.
164. GUPTA, M.P. 1995. 270 Plantas Medicinales Iberoamericanas. CYTED -SECAB, Editorial Presencia LTDA., Bogotá, Colombia, 617 pp.
165. GUPTA, M.P. 1995. Panamanian flora: Source of bioactive compounds. In: *Phytochemistry of Plants Used in Traditional Medicine*. Hostettmann & Marston (eds) Oxford University Press, 357-398.
166. GONZALEZ, A.G., MOUJIR, L., BAZZOCHI, I.L., CORREA, M.D. Y GUPTA, M.P. 1994. Screening of antimicrobial and cytotoxic activities of Panamanian medicinal plants. *Phytomedicine* 1: 149-153.
167. MARTIN, L. M., GUPTA, M.P., DE URBINAL, ANA V., KARIKAS, G.A., GORDALIZA, M., MIGUEL DEL CORRAL, J.M., SAN ROMAN, L., SÁNCHEZ, C., SAN FELICIANO, A. 1994. Pharmacological and phytochemical studies of *Cephaelis axillaris*. *Planta Medica* 60: 561-565.
168. SOLIS, P.N., RAVELO, A.G., GONZALEZ, A.G., GUPTA, M.P. and PHILLIPSON, J.D. 1994. Bioactive anthraquinone glycosides from *Picramnia antidesma* subsp. *fessonia*. *Phytochemistry* 38(2): 477-480.
169. SOLIS, P. N., LANG'AT, C., GUPTA, M. P., KIRBY, G. C., WARHURST, D. C., PHILLIPSON, J. D. 1994. Bioactive compounds from *Psychotria componutans*. *Planta Medica* 61: 62-65.
170. LASURE, A., VAN POEL, B., PIETERS, L., CLAEYS, M., GUPTA, M., VANDEN BERGHE, D., VLIETINCK, A.J. 1994. Complement - inhibiting properties of *Apeiba tibourbou*. *Planta Medica* 60: 276-277.
171. GONZALEZ, A.G., VALENCIA, E., SIVERIO EXPOSITO, T., BERMEJO, J. and GUPTA, M. P. 1994. Chemical components of species. *Carthagenol*: a new triterpene from *C. carthaginensis*. *Planta Medica* 60: 592-593.

172. GUPTA, M.P. 1995. Panamanian flora: Source of bioactive compounds. In *Phytochemistry of Plants Used in Traditional Medicine*. Hostettmann & Marston (eds) Oxford University Press, 357-398.
173. GONZALEZ, A.G., GUILLERMO, J., RAVELO, A.G., JIMENEZ, I.A., and GUPTA, M.P. 1994. 4,5 - dihydroblumenol: A, new nor - isoprenoid from *Perrottetia multiflora*. *Journal of Natural Products*, 57(3): 400-402.
174. OTAKE, T., MORI, H., MORIMOTO, M., UEBA, N., KUSUMOTO, T., LIM, Y.A., MIYASHIRO, H., HATTORI, M., GUPTA, M.P. & CORREA, M. 1994. Anti-Human immunodeficiency virus activity of some tropical medicinal plants. *Journal of Traditional Medicine II*: 188-193.
175. ESPOSITO AVELLA, M., GUPTA, M.P., CALDERON, A., ZAMORA, V.O., TELLO, R. DE. 1993. Analgesic and anti-inflammatory effects of *Drymonia serrulata* (Jacq.) Mart. *Revista Médica de Panamá* 18(3): 211-216.
176. GUPTA, M. P., JONES, A., SOLIS, P. N., CORREA, M., GALDAMES, C., and GUINNEAU-SINCLAIR, F. 1994. Medicinal plants inventory of Kuna Yala. *Journal of Ethnopharmacology* 40: 77-109.
177. WAGNER, H., SEEGERT, K., ODENTHAL, K.P., ESPOSITO-AVELLA, M., VILLARREAL, E., SOLIS, P. and GUPTA, M.P. 1994. Preliminary pharmacologic evaluation of *Spigelia anthelmia* aerial parts. *International Journal of Pharmacognosy* 31(1): 7-14.
178. SANCHEZ, C., GUPTA, M.P., VASQUEZ, M., NORIEGA, Y. DE, MONTENEGRO, G. 1993. Bioensayo con *Artemia salina* para predecir la actividad antibacteriana y farmacológica. *Revista Médica de Panamá* 18(1) :62-69.
179. RAHALISON, L., HAMBURGER, M., HOSTETTMANN, K., MONOD, M., FRENK, E., GUPTA, M.P., SANTANA, A.I., GONZALEZ, A.G. 1993. Screening of antifungal activity of Panamanian plants. *International Journal of Pharmacognosy* 31(1): 68-76.
180. SOLIS, P.N., WRIGHT, C. W., ANDERNSON, M. M., GUPTA, M. P. and PHILLIPSON, J. D. 1993. A microwell cytotoxicity assay using *Artemia salina* (Brine Shrimps). *Planta Medica* 59(3): 250-252.
181. SOLIS, P. N., WRIGHT, C. W., GUPTA, M. P. and PHILLIPSON, J. D. 1993. Alkaloids from *Cephaelis dichroa*. *Phytochemistry* 33(5): 1117-1119.
182. CEPLEANU, F., OHTANI, K., HAMBURGER, M., GUPTA, M.P., SOLIS, P., HOSTETTMANN, K. 1993. 86 Novel acetogenins from the leaves of *Annona purpurea*. *Helvetica Chimica Acta* 76: 1379 - 1388.
183. GUPTA, M.P. 1992. Investigaciones fitofarmacéuticas sobre flora medicinal de Panamá. *TABLERO Revista del Convenio Andrés Bello*. Año 16, No. 44, pág. 54 a 58, 1992.

184. KANEDA, N., LEE, I. S., GUPTA, M. P., SOEJARTO, D. D., KINGHORN, A. D. 1992. (+) - 4 β -hydroxyhernandulcin, a new sweet sesquiterpene from the leaves and flowers of *Lippia dulcis*. *Journal of Natural Products*, 55(8): 1136-1141.
185. GUPTA, M. P., JONES, A., SOLIS, P., CORREA, M. D. A. 1992. Ethnopharmacognostic study of Kuna Yala, In. *Sustainable Harvest and Marketing of Rain Forest Products*. M. Plotkin and L. Famolare (eds). Conservation International, Island Press, Washington, D.C. pp. 201-211.
186. BASHIR, A., HAMBURGER, M., GUPTA, M. P., SOLIS, P. and HOSTETTMANN, K. 1992. Biphenyls and a xanthone from *Monnina sylvatica*. *Phytochemistry*, 31(9): 3203-3205.
187. SANCHEZ, C., GUPTA, M. P., VASQUEZ, M., NORIEGA, Y DE., MONTENEGRO, G. 1993. Bioensayo con *Artemia salina* para predecir la actividad antibacteriana y farmacológica. *Revista Médica de Panamá*, 18(1): 62-69.
188. ACHENBACH, H., LOWEL, M., WAIBEL, R., GUPTA, M. P. and SOLÍS, P. 1992. New lignan glucosides from *Stemmadenia minima*. *Planta Medica*, 58: 270-272, 1992.
189. SPÖRLE, J., BECKER, H., SALAZAR, N. A., and GUPTA, M. P., 1991. Spiroterpenoids from *Plagiochila moritziana*. *Phytochemistry* 30(9): 3043 - 3047.
190. SPÖRLE, J., BECKER, H., SALAZAR, N. A., and GUPTA, M. P., 1991. Occurrence of (-)-geosmin and other terpenoids in an axenic culture of the liverwort *Symphogyna brongniartii*. *Zeitschrift für Naturforschung* 46c: 183-188.
191. SPÖRLE, J., BECKER, H., SALAZAR, N. A., and GUPTA, M. P., 1991. Lipophilic constituents from the Panamanian liverwort *Monoclea gottschei* subsp. *neotropica*. *Journal Hattori Botanical Laboratory* No. 70: 151-155.
192. BASHIR, A., HAMBURGER, M., GUPTA, M. P., SOLIS, P. N. and HOSTETTMANN, K. 1991. Flavonol glycosides from *Monnina sylvatica*. *Phytochemistry* 30(11): 3781-3784.
193. GUPTA, M. P., ALVAREZ, D., SOLIS, P. N., LOWEL, M. and ACHENBACH, H. 1991. Phytochemical and biological study of *Stemmadenia minima* (A. Gentry). *Planta Medica* 57: 502-503.
194. BASHIR, A., HAMBURGUER, M., RAHALISSON, L., MONOD, M., GUPTA, M. P., SOLIS, P. and HOSTETTMANN, K. 1991. Antifungal biphenyls from *Monnina sylvatica*. *Planta Medica*, 57: 192-193.
195. ACHENBACH, H., LÖWEL, M., REINER, W., SOLIS, P., and GUPTA, M.P. 1991. 16-Epipanarine, a new betaine-type alkaloid from *Stemmadenia minima*. *Journal of Natural Products* 54(2): 473-476.
196. ESPOSITO AVELLA, M., DIAZ, M., DE GRACIA, A., DE TELLO, R., GUPTA, M.P. 1991. Efectos de *cajanus cajan*. L. (*Guandú*) and *Cassia fistula* L. (*Caña Fistula*)

- sobre el metabolismo de carbohidratos en ratones. *Revista Médica de Panamá* 16(1): 39-45.
197. GUPTA, M. P., GOMEZ, N. E., SANTANA, A. I., SOLIS, P. N., PALACIOS, G. 1991. Actividad antimicrobiana de algunas algas de la costa atlántica de Panamá. *Revista Médica de Panamá* 16(1): 64-68.
198. ESPOSITO AVELLA, M., MENDOZA, X., DE TELLO, R., GUPTA, M. P. 1990. Efecto de la fracción acuosa de *Hymenae courbaril* sobre el metabolismo de carbohidratos. *Scientia* 5(2): 91-95.
199. GUPTA, M. P. 1990. Plants and Traditional Medicine. Case of Panama, Chapter 7, In *Economic and Medicinal Plant Research. Plants and Traditional Medicine, Volume 4.* Wagner H. and Farnsworth, N.R., (eds.) pp. 94-122 .Academic Press Ltd., London.
200. HAMBURGER, M., HOSTETTMANN K., STECKLI-EVANS H., SOLIS, P. N. and GUPTA, M. P. 1990. A new dimeric secoiridoid glycoside from *Lisianthus jefensis* Robyns & Elias. *Helvetica Chimica Acta* 73: 1845-1852.
201. CORREA, J. E. and BERNAL, H. Y. (eds.) *Especies Vegetales Promisorias de los países del Convenio Andres Bello* , Vols. I,II, III, IV, V, VI, VII. 1989-1992. SECAB, Bogotá, Ministerio de Educación y Ciencia, España, y Junta del Acuerdo de Cartagena, Bogotá, contributing author with Mireya Correa. (Contributing Editor of the books on Promising Plant species).
202. JOLY, L. G., GUERRA S., SEPTIMO, R., SOLIS P. N., CORREA, M., GUPTA M. P., LEVY S., and SANDBERG F. 1990. Ethnobotanical Inventory of Medicinal Plants used by the Guaymi Indians in Western Panama. Part II. *Journal of Ethnopharmacology* 28(2): 191-206.
203. SPÖRLE, J., BECKER, H., GUPTA, M. P., VEUTH, M., HUCH, V. 1989. Novel C-35 Terpenoids from the Panamanian liverwort *Plagiochila moritziana*. *Tetrahedron Letters*. 45(16): 5003-5014.
204. MAILLARD, M., HAMBURGER, M., GUPTA, M. P. and HOSTETTMANN, K. 1989. An antifungal isoflavanone and structure revision of flavanone from *Erythrina berteroa*. *Planta Medica* 55: 281-282.
205. D'CROZ, L., WONG V., L., JUSTINE, G. and GUPTA, M. P. 1988 Prostaglandins and related compounds from the polychaete worm *Americanuphis reesei* Fauchald (Onuphidae) as possible inducers of gonad maturation in Penaeid shrimps. *Revista de Biología Tropical*, 36(2A): 331-332.
206. ZIKAKIS, J. P., ADAMES, A. J., MORAN, C., GUPTA, M. P. y QUIROS, D. 1988. Utilización de productos de desechos de las industrias agrícolas y de alimentos de Panama. *Scientia (Panamá)* 2: 71-77.
207. O'NEILL, M. J., BRAY, D. H., BOARDMAN, P., WRIGHT, C. W., PHILLIPSON, J. D., WARHURST, D. C., CORREA, M., SOLIS, P., and GUPTA, M. P. 1988 . Plants as sources of antimalarial drugs. Part 6: Activities of Simarouba fruits. *Journal of Ethnopharmacology*, 22: 183-190.

208. GUPTA, M. P., SOLIS, P. N., MIRANDA, C. L., MONTENEGRO, O., MARTINEZ, R., VARELA, L. A. y CORREA, M. A. D. 1988. Actividad antimicrobiana de plantas medicinales de Panamá. *Revista Médica de Panamá* 13:79-84.
209. WANG, Z. W., Ma. W. W., McLAUGHLIN, J. L. and GUPTA, M. P. 1988. 2, 4, 5-Trimethoxystyrene, a bioactive component of the bark of *Duguetia panamensis*. *Journal of Natural Products* 5(2): 382-384.
210. LASSO DE LA VEGA, R., GUPTA, M. P. and CEDEÑO, J. 1988. Actividad glucocorticoide de "Tuoukuwan Chuifong" y detección de indometacina. *Revista Médica de Panamá* 13(1): 62-65.
211. BOREL, C., GUPTA, M. P. and HOSTETTMANN, K. 1987. Molluscicidal saponins from *Swartzia simplex*. *Phytochemistry* 26: 2685-2689.
212. MAILLARD, M., GUPTA, M. P., and HOSTETTMANN, K. 1987. A new antifungal prenylated flavanone from *Erythrina berteriana*. *Planta Medica* 26: 563-564.
213. HOSTETTMANN, K. and GUPTA, M. P. 1987. New flavanol glycosides from *Coutoubea spicata*. *Phytochemistry* 26(8): 2377-2378.
214. JOLY, L. G., GUERRA, S., SEPTIMO, R., SOLIS, P. N., CORREA, M., GUPTA, M. P., LEVY, S., and SANDBERG, F. 1987. Ethnobotanical Inventory of medicinal plants used by the Guaymi Indians in Western Panama. Part I. *Journal of Ethnopharmacology* 20(8): 145-171.
215. GUPTA, M. P. 1987. Un estudio etnobotánico de plantas medicinales de Panamá. En "El Desarrollo de las Ciencias Naturales y la Medicina en Panamá. Estudio introductorio y Antología". Vol. 13 edited by N. Escobar, Imprenta Universitaria, Panamá, pp. 67-98.
216. GUPTA, M. P., MELO, P., LINARES, S. y ZIKAKIS, J. P. 1986. Actividad de la Xantina oxidasa en los productos lácteos de Panamá. *Revista Médica de Panamá* 11: 49-53.
217. ESPOSITO, M., SAMUDIO, D., BUITRAGO, R., SANCHEZ, C., y GUPTA, M. P. 1986. Efecto de la fracción acuosa de *Casearia arguta* H.B.K. sobre el metabolismo de carbohidratos en el ratón. *Scientia* 1(1): 37-41.
218. GUPTA, M. P., SOLIS, P., SOTO, A., CEDEÑO, J. E. y CORREA, M. D. A. 1986. Observaciones etnofarmacognósticas sobre plantas medicinales en Panamá. Parte II. *Scientia (Panama)* 1(1): 43-57.
219. WAGNER, H., SEEGER, K., GUPTA, M. P., ESPOSITO-AVELLA, M., and SOLIS, P. 1986. Cardiotone Wirkstoffe aus *Spigelia anthelmia*. *Planta Medica* (5): 378-380.
220. GUPTA, M. P., CEDEÑO, J. and SOTO, A., CORREA, M. D. A. 1986. Seasonal variation in the alkaloid content of Panamanian ipecac *Fitoterapia* LVII, No.3, 147-151.

221. HAMBURGUER, M., GUPTA, M. P. and HOSTETTMANN, K. 1985. Flavonol glycosides from *Securidaca diversifolia*. *Phytochemistry* 24(11): 2689-2692.
222. HAMBURGUER, M., GUPTA, M. P. and HOSTETTMANN, K. 1985. Coumarins from *Polygala paniculata*. *Planta Medica* 52(3): 215-217.
223. GUPTA, M. P., ARIAS, T. D., WILLIAMS, N., BOS, R. and TATTJE, D. H. E. 1985. Safrole, the main component of the essential oil from *Piper auritum* of Panama. *Journal Natural Products* 48(2): 330.
224. ESPOSITO, M., SANCHEZ, C. and GUPTA M. P. 1985. Pharmacological screening of Panamanian plants. Part I. *International Journal of Crude Drugs Research* 23(1): 17-25.
225. GUPTA, M. P., SOLIS, N., ESPOSITO, M. and SANCHEZ, C. 1984. Hypoglycemic activity of *Neurolaena lobata* (L.) R. Br. *Journal of Ethnopharmacology* 10: 323-327.
226. SIERRA, R. N., GUPTA, M. P., TAYLOR, A. y MEYER, C. F. 1984. Aeroalérgenos micóticos en la ciudad de Panamá. *Revista Médica de Panamá* 9: 116-122.
227. GUPTA, M. P., ARIAS, T. D. and SMITH, R. M. 1983. The composition of the essential oil of *Piper aduncum* L. from Panama. *Revista Latinamericana de Química* 14: 35-36.
228. BORGES DEL CASTILLO, J., MANRESA, T. F., RODRIGUEZ, L. F., VASQUEZ, P. B., GUPTA, M. P. and NATHAN, J. P. 1982. Panama Flora II. New sesquiterpene lactones from *Neurolaena lobata* R. Br. *Journal of Natural Products*, 45(6): 752-755.
229. GUPTA, M. P. and SANCHEZ, C. 1982. A preliminary phytochemical and pharmacological study of *Antigonum leptopus* Hook & *International Journal of Crude Drugs Research* 20(3): 117-125.
230. HATFIELD, G. M., ARTEAGA, L., DWYER, J., ARIAS, T. D. and GUPTA, M. P. 1981. An investigation of Panamanian ipecac: Taxonomy and alkaloid analysis *Journal of Natural Products* 44(4): 451-456.
231. TAYLOR, A., GUPTA, M. P., MEYER, C. F., CEDEÑO, J. y JOHNSTON, J. 1981. Conteo e identificación de granos de polen en Panamá. *Revista Médica de Panamá* 5: 181-189.
232. GUPTA, M. P., SOTO, A., GONZALEZ, M. y ARIAS, T. D. 1980. Determinación cuantitativa del contenido de solasodina en especies panameñas del género *Solanum*. *Revista Latinoamericana de Química* 11: 133-134.
233. GUPTA, M. P., ARIAS, T. D., FERRABONE, E., RESTREPO, M., RODRIGUEZ, A., SOTO, A., ACOSTA, D., CORREA, M., RIVERA, R. and TURNER, V. 1980. Alkaloid screening of Panamanian plants. I. *Quarterly Journal of Crude Drugs Research* 18(3): 105-125.

234. GUPTA, M. P., CORREA, M., ARIAS, T. D. and LAMBA, S. S. 1979. Ethnopharmacognostic observations on Panamanian medicinal plants. *Quarterly Journal of Crude Drugs Research* 17(3-4): 115-130.
235. GUPTA, M. P., ARIAS, T. D., ETHEART, J. and HATFIELD, G. M. 1979. The occurrence of tryptamine and N-methyltryptamine in *Mimosa somnians*. *Journal of Natural Products* 42(2): 234-236.
236. GUPTA, M. P., CEDEÑO, J. y SOTO, A. 1978. Estudio farmacognóstico preliminar sobre ipecacuana *Revista Médica de Panamá* 2: 165-183.
237. LAMBA, S. S., ARIAS, T. D. y GUPTA, M. P. 1977. Revisión de aspectos generales y aplicaciones de cultivo in vitro de tejidos en plantas medicinales *Conciencia Vol IV, No. 3, 14-15, Vol. IV, No.4, 12-14.*
238. GUPTA, M. P., FILBY, R. and GIBSON, M. R. 1972. Neutron - activation analysis of *Datura stramonium* var. *tatula* seeds. *Lloydia* 35(2): 189-190.
239. GUPTA, M. P. and GIBSON, M. R. 1972. Protein-alkaloid relationship in *Datura stramonium* var. *tatula*. *J. Pharm Sci.* 61(8): 1257-63.
240. SENGUPTA, A. and GUPTA, M. P. 1970. Studies on seed fat composition of Moringaceae family. *Fette Seifen Anstrichmittel* 72(1): 6-11.
241. GUPTA, M. P. and SANTRA, D. K. 1967. Isolation of solasodine from *Solanum xanthocarpum*. *Journal of Research on Indian Medicine* , 1(2): 239-41.
242. ARIAS, T. D., CALVO, E., HIDALGO, I., HOLZHAUSER, E. y GUPTA, M. P. 1978. Estudio de disolución de productos de hidroclouros de tetraciclina y oxitetraciclina de venta en Panamá. *Revista Médica de Panamá* 3(2): 131-156.
243. ARIAS, T. D., NUÑEZ, G., HERNANDEZ, J. N. y GUPTA, M. P. 1978. Estudio comparativo de biodisponibilidad de productos de hidrocloruro de tetraciclina de venta en Panamá. *Revista Médica de Panamá* 3(1): 47-68.
244. GUPTA, M. P., ARIAS, T. D., LEE, D. y ALVARADO, A. 1981. Patrones de uso de agentes antimicrobianos en el Departamento de Medicina Interna del Hospital Santo Tomás en la Ciudad de Panamá. *Revista Médica CSS* 13(2): 324-334.
245. GUPTA, M. P., CORREA, J. L., ARIAS, T. D., BARBERENA, I., MATAS, I., SALVATIERRA, G., GORDON, L. y CASTILLO, E. 1979. Patrones del uso de agentes antimicrobianos en el Departamento de Medicina Interna del Complejo Hospitalario Metropolitano de la Caja de Seguro Social en la Ciudad de Panamá. *Revista Médica de Panamá* 4(2): 103-121.
246. GUPTA, M.P. 1978. Algunos aspectos de la medicina tradicional de la India y sus proyecciones en Panamá. *Revista No.5 India, Embassy of India*, pp. 22-24.
247. GUPTA, M. P. 1975. Efectos adversos y uso indiscriminado de antibióticos. *Conciencia Vol. 11, No.3, 14-15.*

248. GUPTA, M.P. Modern Pharmacognosy, Part I and II, University of Panama Press, Panama, 1978. (A compilation of mimeographic lecture notes in Spanish).
249. GUPTA, M. P. and NUÑEZ, G. Lecture Notes on Biopharmaceutics, University of Panama Press, 1976. (A compilation of mimeographic lecture notes in Spanish).