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## **PUBLICATIONS**

### **Book Published**

Jain U.K., Goupale D.C., **Nayak.S.** ‘**Pharmaceutical packaging Technology**’ Syndicate book publisher  
Hyderabad First edition June 2008

### **Research Papers Published**

1. **Nayak S** and Singhai A.K., ‘Antiinflammatory and analgesic activities of the roots of *Coccus hirsutus*’, ***Indian Journal of Natural Products***, 9(1) 1993, 12 – 14.
2. **Nayak S.**, Sahai A., Singhai A.K., ‘ Analgesic activity of the roots of *Baliospermum montanum* Linn’, ***Ancient Science of Life***, XX III (2) 2003, 108 – 113.
3. **Nayak S.** and Singhai A.K., ‘ Antimicrobial activity of the roots of *Coccus hirsutus*,’ ***Ancient science of Life***, XXII (3) 2003, 101 – 105
4. **Nayak S.** and Singhai A.K., ‘Premilinary phytochemical studies on the roots of *Baliospermum montanum* Linn,’ ***Sachitra Ayurveda*** 56 (6) 2003, 455 – 457.
5. Saurabh Jain, Lavhale Manish and **Nayak S.**, ‘ Preliminary phytochemical studies on the roots of *Coccus hirsutus* Linn,’ ***Ancient science of Life***, XXIII (3) 2004, 42 – 45.
6. Dubey S., Nema N. and **Nayak S.**, ‘Preparation and evaluation of Herbal shampoo powder,’ ***Ancient Science of Life***, XXIV (1) 2004, 38 – 44.
7. **Nayak S.**, Sahai A. and Singhai A.K., ‘ In vitro evaluation for hepatoprotective activity of *Baliospermum montanum* Linn,’ ***Advances in Pharmacology and Toxicology***, 6 (1) 2005, 59 – 62.
8. Gupta M., Lavhale Manish , and **Nayak S.**, ‘ Evaluation of herbal toothpowder for its piperine contents,’ ***Ancient science of Life***, XXIV (3) 2005, 126 – 130.
9. **Nayak S.**, Jain Sanjay, Ayub M. and. Singhai A.K., ‘Anti-inflammatory activity of the bark of *Elaeodendron glaucum* Pers,’ ***Advances in Pharmacology and Toxicology***, 7 (1) 2006, 51 – 53.
10. **Nayak S.** and Dixit V.K., ‘ Studies on *Celastrus paniculatus* Linn seeds for drug induced myelosuppression test on albino rats’, ***Planta Indica***, 2 (1) 2006, 27 – 30.

11. Singhai A., Tripathi Laxmi, Pathak A.K., Chandel H.S. and **Nayak S.**, 'HPLC determination of Oxyphenbutazone and its validation', *Journal of Institution of Chemist*, (1) 78, (3) 2006, 91 – 93.
12. Jain Sanjay, and **Nayak S.**, 'Regeneration of plantlets from nodal explant of *Glycerrizha glabra* Linn,' *Planta Indica*, 1(3) 2005, 22 – 25.
13. **Nayak Satish** and. Dixit V.K., ' Immunomodulatory activities of the seeds of *Celastrus paniculatus* Linn', *International Journal of Pharmacology and Biological Sciences*, 2(1) 2008, 1 – 12.
14. Jain S, Kharya M.D., **Nayak S.** and Barik R.' Effect of antioxidants on calus browning of *Glycyrrhiza glabra*, ' *Journal of Natural Remedies*, 8 (1) 2008, 44 - 47.
15. Singh A., Jadon R., Goupale DC., and **Nayak S.**, 'After use wastage of Semisolid tube packaging: A study' *The Pharmacist* , 2 (2) 2007, 29 – 31.
16. Tripathi A., Ghode P., Dhongade H. and **Nayak S.**, 'Estimation of Levocetirizine by UV- spectrophotometry in tablet dosage form,' *The Pharmacist*, 2 (2) 2007, 33 – 35.
17. Dhongade H., Ghode P., Goupale DC. and **Nayak S.**, 'Antioxidant activities of the hydroalcoholic extracts of *Emblica officinallis*,' *Planta Indica*, 2008; Vol.4, No.1, 21-24.
18. Chandel H.S., **Nayak S.** and Khare R.L. 'Studies on glabrin and its metal complexes from *pongamia glabra* seeds as antimicrobial agents', *Planta Indica*, 1(2) 2005, 27 – 31.
19. Gajbhiye V., Kavita Rai, Jadon R., Jain A., **Nayak S.**, "Elastic Liposomes Mediated Transdermal Delivery of Aceclofenac" *The Pharmacist* 3(1) 29-32, 2008)
20. **Nayak S.**, Dixit VK, 'Effect of Mucuna Seed Extracts on Drug induced Myelosuppression test using albino rats' *Research J. Pharm. And Tech.* 1(3) 2008, 204-206.
21. Pathak Amresh, Kushwaha S., Dhongade H. and **Nayak S.**, 'Preliminary evaluation of some Ayurvedic preparations of Asavas and Aristhas,' *Int. J. Pharmacol. Biol. Sci.* 2 (3) 2008, 149-152.
22. Jain A., Ghosh B, **Nayak S**, Soni V. 'A Study of Transdermal Delivery of Glibenclamide Using Iontophoresis' *International Journal of Health Research.* 2(1); 2009, 101-109
23. **S Nayak**, D.C. Goupale, Sandip Sumbhate "Standrdization of some marketed herbal hair oil preparations" *Planta Indica*.
24. **Nayak A**, Jain A, Rathore P, Sumbhate S, **Nayak S.** A comparative release study of lisinopril from different vehicles, *International Journal of Pharmacy and Pharmaceutical Science*, 1(1)2009,132
25. **Jadon RS**, **Nayak S**, Amlan S, Vaidya VD, Khemariya, P, Sumbhate S, **Nayak S.**, Taste Masking of Lornoxicam by polymer Carrier System and formulation of Oral Disintegrating Tablets. *International Journal of Drug Delivery*, 1(1); 2009:27-31
26. **Tiwari A**, **Jadon RS**, **Tiwari P**, **Nayak S.** Phytochemical Investigations of Crown of *Solanum melongena* fruit.. *International journal of Phytomedicine.* 1(1); 2009: 9-11.
27. **Jain A.**, **Nayak S.**, Ghosh B., **Jadon R.S.**, **Gajbhiye V.**, 'Enhanced skin permeation of glimepiride by iontophoresis', *Reaerch J.Pharm. and Tech.* 2 (3): July-Sept. 2009

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31. Mallik A, Goupale D, Dhongade H, **Nayak S**. Evaluation of *Boswellia Serrata* oleo-gum resin for wound healing activity. *Der pharmacia Lettre*, Vol.- 2, Issue 2, 457-463( 2010)
32. Gupta A, **Nayak S**, Mallik A. Preliminary Phytochemical screening of Hydroalcoholic flower extract of *Ipomoea fistulosa*. *Inter J Curr Trends Sci Tech*, 1(2): 37-40(2010).
33. Singh A, Rathore P, Shukla M, **Nayak S**. Comparative Studies on Skin Permeation of Miconazole using different Noval Carriers. *IJPSR (2010)*, Vol 1, Issue (9) (Suppl) 61-66.
34. Patel G, **Nayak S**, Shrivastava S. Physical Evaluation and Qualitative Chemical Examination of Methanolic extract of *Nerium Indicum*. *Inter J Curr Trends Sci Tech*, 1(2): 32-36(2010).
35. Patel G, **Nayak S**, Shrivastava S. Antiulcer Activity of methanolic leaves Extract of *Nerium indicum*. *IJBR* 1(2)(2010) 55-61.
36. **Nayak S**, Goupale D C. Dubey A, Shukla V. Comparative stability of Metronidazole in aqueous and non aqueous vehicle. *J App Pharm* 03(03): 295-300(2011).
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41. Jain A., **Nayak S.**, Soni V. A Study of Transdermal Delivery of Captopril using Iontophoresis. *Journal of Pharm. And Biomedical Res.* 2011, 11(8).
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49. A. Jain, **S Nayak**, V Soni, Effect Of Enhancers And Iontophoresis On Captopril Permeability Through Excised Pig Skin. *J App Pharm* 21(04): 556-566 (2012).
50. Jain A, Nayak S, Soni V. *In- Vitro* and *in-vivo* transdermal iontophoretic delivery of Lisinopril gel. *J App Pharm* 03(04): 655-664; July, 2012
51. Rathore P., Bhatia R., **Nayak S**. To prepare and evaluate ciprofloxacin loaded transdermal patches, *Inter. J. Pharma. Sci Res*. 2012; Vol. 3(4): 1184-1187.
52. Sumbhate S, **Nayak S**, Goupale D, Tiwari A, Jadon R Colorimetric Method for the Estimation of Ethanol in Alcoholic-Drinks. *Journal of Analytical Techniques* 1(2012) 1-6.
53. Jain A, **Nayak S**, Soni V. Passive And Iontophoretic Permeation Of Captopril Gel: An In-Vitro And In-Vivo Study. *Majalah Farmasi Indonesia*, Vol. 23 No. 2 : 122 – 131.
54. **Jain A**, Nayak S, Soni V. Iontophoretic Permeation of Lisinopril at Different Current Densities and Drug Concentrations. *Advanced Pharmaceutical Bulletin*, 2012, 2(2): 239-244.
55. Bhatia R, Rathore P, Nayak S. Synthesis Characterization and anti-inflammatory Activity of 1,2,4 Triazole Derivatives. *Curr Res Pharm. Sci* 2012, 03: 160-165.
56. Nayak S, Goupale DC & Mhaske S. Preparation and *in vitro* evaluation of suppositories containing Ethanolic extract of *Curcuma longa* Linn. *J Pharm Res*. 5(12) 5257-59.
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58. Jaiswal J, Nayak S, Mhaske S P.K. Singour New RP-HPLC method development for the estimation of piperine in ayurvedic formulation( trikatu churna ). *Int J of Emer Tech*, Special issue 2013: 126-128.
59. Shivastava M, Nayak S, Shrivastava S. Hepatic mitochondrial damage aggravated by azathioprine: Protective effect of quercetin. *Inter J Phyto* 2013, 5:89-93.
60. **A Mallik**, S Nayak "Phytochemical and preliminary toxicity study of *sesbania grandiflora*(linn.) flowers" *International Journal of Biomedical and Research*,vol.2(11),2011,pp.444-449.
61. **A Mallik**, S. Nayak "Comparative study of methanolic and aqueous extracts of *Cocculus hirsutus* leaves on specific and non specific immune responses" *International Journal of Phytomedicine* vol.6(2),2014,pp.316-321.
62. **A Mallik**, S. Nayak "Evaluation of immunomodulatory activity of *Sesbania grandiflora*flowers extract in mice" *Indonesian Journal of Pharmacy*, vol.25(4),2015

## Review Articles Published

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64. Umesh Jain, and **Nayak S**, and Saraf S., 'Gokharu: A Valuable Herb', *Sachitra Ayurveda*, 51(1) 1998, 58 – 61.
65. Ahirwar Bharti and **Nayak S.**, 'Ipomoea Cell Culture: An Alternative source of ergot alkaloids,' *Indian Pharmacist*, October 2002, 9 – 10.
66. Dhanodia Renuka, **Nayak S.** and Saraf S., 'Taxol: A promising Anticancer', *Sachitra Ayurveda*, 55 (5) 2002, 357 - 361.
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69. Dubey S., Rajia Sultan and **Nayak S.**, 'Ginger: A wonder drug,' *Sachitra Ayurveda*, 55(6) 2004, 217 – 219.
70. Jain S., Shrivastava S., **Nayak S.** and Sumbhate S., 'Recent Trends in *Curcuma longa* Linn,' *Pharm Cog Maz*, 1 (1) 2007, 119 – 128.
71. Singhai A., Tripathi Laxmi, Chandel H.S., and **Nayak S.**, 'Role of Chelation in malignancy,' *Pharma Review*, June 2006, 116 – 120.
72. **Nayak S.** and Goupale DC., 'A review on phytochemical and pharmacological studies of *Boswellia Serreta*,' *Advances in Pharmacology and Toxicology*, 9 (1) 2008, 85 – 92.
73. Jain A., Dhote V., Dhongde H., Sumbhate S. and **Nayak S.**, 'Microneedles ; A revolution of transdermal drug delivery', Pharmainfo. net. 2008.
74. Verma R., Jain A., Dhongde H., Jadon R, Gajbhiye V., **Nayak S.** ' Phonophoresis: Transdermal Drug Transport by Ultrasound.' Pharmainfo.net.
75. Carbon NanoTubes: Emerging Carrier in Nanotechnology **Pharmainfo.net**
76. Tiwari P. Jain A, Jadon R, **Nayak S.** Sweetener blends or Sugar substitutes : A way to enhance the sweetness. Pharmaceutical Reviews **Vol. 6, Issue 6, 2008**
77. Kumar A; Hatwar B; Mallik A; Shrivastava S; Jain A; **Nayak S.** Dementia (Alzheimer's Disease) And Aluminium In Drinking Water : May Be A Devastator Correlation. Pharmainfo.net, 11/12/2008.
78. Nayak A., Jain A, Tiwari P., **Nayak S.** Pressure Wave: For Enhancement of Transdermal Permeation Pharmainfo.net, 11/08/2008
79. Rai BB, Gajbhiye V, Jadon R, Jain A, **Nayak S.** Review article "Drug Delivery via Nasal route" (**Pharmainfo.net** )

80. Shrivastava S, Jain A, Sushil M, **Nayak S**. Isotachophoresis: a technique of electrophoresis for the separation of charged particles. *Research J.Pharm. and Tech.*. Volume 2, Issue 4, p.642-647, (2009).
81. Joshi A, Jain A, **Nayak S**. Phytphospholipid complex: A tabular update. **Der Pharmacia Lettre**, Vol. 2, Issue 2, 168-180, (2010).
82. Gour R, Rathore P, **Nayak S**. Cosmetic Surgery: A Review. **International Journal of Pharmaceutical Science and Research**. Vol. 1, Issue 5, 22-25,( 2010).
83. Jain A, Mishra A, **Nayak S**, Soni V. Transdermal Delivery of Antihypertensive Agents: A tabular update. **International Journal of Drug Delivery**, Vol-3, Issue 1, 1-13 (2011).
84. Gupta B, **Nayak S**. Solanki S. Abroma augusta linn f: A review. Pelagia Research Library, *Der Pharmacia Sinica*, 2011, 2(4):253-261.
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88. Sahu R, Jain A, **Nayak S**. Momordica Charantia Linn.: A Mini Review. **International Journal of Biomedical Research**, 2[11] [2011]579-587
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#### **MEMBERSHIPS:**

1. Life Member of IPA
2. Pharmaceutical Society BCP, Bhopal.
3. Joint Secretary, Society of Pharmacognosy.
4. President of Veer society of Pharmacy, Bhopal.