

# Curriculum Vitae

**Name:** Dalaal M. Abdallah  
**Title:** Professor Dr.  
**Department:** Pharmacology and Toxicology  
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## Education

### • Academic Degrees

#### PhD

Pharmacology/ Abdallah DM, El-Sayed ME, Abdel-Aziz MT, Attia AS /PHARMACOLOGICAL STUDY OF POSSIBLE INTERACTIONS BETWEEN CERTAIN ANTI-INFLAMMATORY DRUGS AND SOME ANTI-ULCEROGENIC AGENTS, 1998, Cairo University

#### Master

Pharmacology/Abdallah DM, El-Sayed ME, Saad SF, El-Sayeh B/PHARMACOLOGICAL STUDY OF THE INTERACTION BETWEEN ANTI-INFLAMMATORY AND PSYCHOTROPIC DRUGS, 1991, Cairo University

#### Bachelor

Bachelor of Pharmacy, 1985, Cairo University

### • Research interest

CNS [epilepsy, global ischemia, encephalopathy, AD, PD, autism]

Inflammation

Diabetes

Peptic ulcer

IBD

Nephrotoxicity

Hepatotoxicity

Cancer

Lung dysfunction

## Teaching

	Course Title
<b>Undergraduate Courses (General Program)</b>	307 Toxicology
	306 Biostatistics and Biological Standardization of Drugs
<b>Undergraduate Courses (Clinical Program)</b>	PO 905 Therapeutics-1
	PO 904 Toxicology and Forensic Chemistry
	PO 007 Therapeutics-2
<b>Postgraduate Courses</b>	1315 Relationship between the chemical structure of a drug and its biological activity/ Pharmacology Diploma
	1307 Research project toxicology diploma/ Toxicology Diploma
	1903 GIT/ Pharm D
	2302 Toxicometrics

## Career History and Professional Experience

<b>Titles</b>	Professor of Pharmacology 2011-currently Assistant Professor of Pharmacology 2005-2011 Lecturer of Pharmacology 1998-2005 Assistant Lecturer of Pharmacology 1991-1998 Demonstrator of Pharmacology 1985-1991
<b>Awards</b>	Cairo University Research Award 2020 Cairo University Research Award 2019 Cairo University Research Award 2018 Cairo University Research Award 2017 Cairo University Research Award 2016 Cairo University Research Award 2015 Cairo University Research Award 2014 Faculty of Pharmacy Cairo University Research Award 2014 Cairo University Research Award 2013 Cairo University Research Award 2012 Cairo University Research Award 2011 Cairo University Research Award 2010 Faculty of Pharmacy Cairo University Research Award 2010
<b>Projects</b>	Click here to insert text. To start a new paragraph please press <b>End</b> then <b>Enter</b> keys from keyboard.

### Publications and Presentations

1. M.Fleifel, A., A. A.Soubh, **D. M. Abdallah**, K. A.Ahmed, and H. S. El-Abhar, "[Preferential effect of Montelukast on Dapagliflozin: Modulation of IRS-1/AKT/GLUT4 and ER stress response elements improves insulin sensitivity in soleus muscle of a type-2 diabetic rat model](#)", *Life Sci.* , vol. 120865, 2022.
2. ALFIKI, M. M., H. S. El-Abhar, **D. M. Abdallah**, and L. I. N. A. E. KHEDR, "[The Efficacy and Safety of Treatment of Chronic HCV Infection by Ombitasvir/Paritaprevir/Ritonavir with Ribavirin and its Effect on Complement C3 and C4 Levels](#)", *Med. J. Cairo Univ.* , vol. 90, pp. 65-72, 2022.
3. Ashmawy, A. I., H. S. El-Abhar, **D. M. Abdallah**, and M. A. Ali, "[Chloroquine modulates the sulfuraphane anti-obesity mechanisms in a high-fat diet model: Role of JAK-2/ STAT-3/ SOCS-3 pathway](#)", *Eur J Pharmacol* , vol. 927, pp. 175066, 2022.
4. Tawfiq, R. A., N. N. Nassar, O. A. Hammam, R. M. Allam, M. M. Elmazar, **D. M. Abdallah**, and Y. M. Attia, "[Obeticholic acid orchestrates the crosstalk between ileal autophagy and tight junctions in non-alcoholic steatohepatitis: Role of TLR4/TGF- \$\beta\$ 1 axis](#)", *Chem Biol Interact* , pp. 109953, 2022.
5. El-Emam, M. A., S. E. Achy, **D. M. Abdallah**, H. S. El-Abhar, and M. A. Gowayed, "[Does physical exercise improve or deteriorate treatment of multiple sclerosis with mitoxantrone? Experimental autoimmune encephalomyelitis study in rats](#)", *BMC Neurosci.* , vol. 23, issue (1), pp. 11, 2022.
6. Abdel-Latif, R. T., W. Wadie, Y. Abdel-Mottaleb, **D. M. Abdallah**, N. N. El-Maraghy, and H. S. El-Abhar, "[Reposition of the anti-inflammatory drug diacerein in an in-vivo colorectal cancer model](#)", *Saudi Pharmaceutical Journal*, vol. 30, pp. 72–90, 2022.
7. Kamel, N. M., D. M. El-Tanbouly, **D. M. Abdallah**, and H. M. Sayed, "[PAR1, a therapeutic target for remote lung injury associated with hind limb ischemia/reperfusion: ERK5/KLF2-dependent lung capillary barrier preservation](#)", *Chemico-Biological Interactions*, vol. 354, pp. 109809, 2022.
8. Ghaith, W. Z., N. N. Nassar, E. A. Mobarez, and **D. M. Abdallah**, "[THE WIN55, 212-2 ENIGMA IN A RESERPINE INDUCED PARKINSON MODEL](#)", *WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES*, vol. 9, issue 7, pp. 2282-2301, 2020.
9. Yehia, R., M. Schaalán, **D. M. Abdallah**, A. S. Saad, N. Sarhan, and S. Saleh, "[Impact of TNF- \$\alpha\$  Gene Polymorphisms on Pancreatic and Non-Small Cell Lung Cancer-Induced Cachexia in Adult Egyptian Patients: A Focus on Pathogenic Trajectories](#)", *Frontiers in Oncology*, vol. 11, pp. 783231, 2021.
10. Zaky, D. A., W. M. Eldehna, A. E. M. Kerdawy, **D. M. Abdallah**, H. E. S. Abhar, and W. Wadie, "[Recombinant human growth hormone improves the immune status of rats with septic encephalopathy: The role of VEGFR2 in the prevalence of endoplasmic reticulum stress repair module](#)", *International Immunopharmacology*, vol. 101, issue Part B, pp. 108370, 2021.
11. El-Sawaf, E. S., S. Saleh, **D. M. Abdallah**, K. A. Ahmed, and H. S. El-Abhar, "[Vitamin D and rosuvastatin obliterate peripheral neuropathy in a type-2 diabetes model through modulating Notch1, Wnt-10 \$\alpha\$ , TGF- \$\beta\$  and NRF-1 crosstalk](#)", *Life Sci.* , vol. 279, pp. 119697, 2021.
12. Rabie, M. A., M. A. E. A. Fattah, N. N. Nassar, **D. M. Abdallah**, and H. S. El-Abhar, "[Correlation between angiotensin 1-7-mediated Mas receptor expression with motor improvement, activated STAT3/SOCS3 cascade, and suppressed HMGB-1/RAGE/NF- \$\kappa\$ B signaling in 6-hydroxydopamine hemiparkinsonian rats](#)", *Biochem Pharmacol.* , vol. 171, pp. 113681, 2020.
13. MA, R., A. E. F. MA, N. NN, **Abdallah DM**, and E. - A. HS, "[Correlation between angiotensin 1-7-mediated Mas receptor expression with motor improvement, activated STAT3/SOCS3 cascade, and suppressed HMGB-1/RAGE/NF- \$\kappa\$ B signaling in 6-hydroxydopamine hemiparkinsonian rats.](#)", *Biochem Pharmacol.* , vol. 171, pp. 113681, 2020.
14. Ragab, D., **D. M. Abdallah**, and H. S. El-Abhar, "[The dual reno- and neuro-protective effects of dimethyl fumarate against uremic encephalopathy in a renal ischemia/reperfusion model](#)", *Pharmacol Rep.*, vol. 72, issue (4), pp. :969-983., 2020.
15. Ghoneim, M. E. - S., **D. M. Abdallah**, A. M. Shebl, and H. S. El-Abhar, "[The interrupted cross-talk of inflammatory and oxidative stress trajectories signifies the effect of artesunate against hepatic](#)

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- [ischemia/reperfusion-induced inflammasomopathy](#)", *Toxicol Appl Pharmacol.* , vol. 409:, pp. :115309. , 2020.
16. DA, Z., W. Wadie, W. M. Eldehna, A. M. El Kerdawy, **D. M. Abdallah**, and H. S. E. Abhar, "[Modulation of endoplasmic reticulum stress response in gut-origin encephalopathy: Impact of vascular endothelial growth factor receptor-2 manipulation](#)", *Life Sci.* , vol. 252, pp. 117654, 2020.
  17. Zaky, D. A., D. M. Abouelfadl, N. N. Nassar, **D. M. Abdallah**, and M. Y. Al-Shorbagy, "[The paradox of dipeptidyl peptidase IV inhibition in enterocytic differentiation and epithelial-mesenchymal transition in rat cholestatic sepsis](#)", *Toxicol Appl Pharmacol.* , vol. 394, pp. 114956, 2020.
  18. Ghaith, W. Z., N. N. Nassar, E. A. Mobarez, and **D. M. Abdallah**, "[THE WIN55, 212-2 ENIGMA IN A RESERPINE INDUCED PARKINSON MODEL](#)", *WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES*, vol. 9, issue 7, pp. 2282-2301, 2020.
  19. El-Lekawy, A. M., **D. M. Abdallah**, and H. S. El-Abhar, "[Alanyl-glutamine Heals Indomethacin-induced Gastric Ulceration in Rats Via Antisecretory and Anti-apoptotic Mechanisms.](#)", *J Pediatr Gastroenterol Nutr.* , vol. 69, issue 6, pp. 710-718, 2019.
  20. Bazzari, F. H., **D. M. Abdallah**, and H. S. El-Abhar, "[Chenodeoxycholic Acid Ameliorates AICl3-Induced Alzheimer's Disease Neurotoxicity and Cognitive Deterioration via Enhanced Insulin Signaling in Rats](#)", *Molecules*, pp. pii: E1992, 2019.
  21. El-Hiny, M. A., **D. M. Abdallah**, O. M. E. Abdel-Salam, N. A. Salem, Z. A. El-Khyat, and S. A. Kenawy, "[Co-administration of nicotine ameliorates cannabis-induced behavioral deficits in normal rats: role of oxidative stress and inflammation](#)", *Comparative Clinical Pathology*, vol. 28, pp. 1229 – 1236, 2019.
  22. Kamel, N. M., M. A. E. A. Fattah, H. S. El-Abhar, and **D. M. Abdallah**, "[Novel repair mechanisms in a renal ischaemia/reperfusion model: Subsequent saxagliptin treatment modulates the pro-angiogenic GLP-1/cAMP/VEGF, ANP/eNOS/NO, SDF-1 \$\alpha\$ /CXCR4, and Kim-1/STAT3/HIF-1 \$\alpha\$ /VEGF/eNOS pathways.](#)", *Eur J Pharmacol.* , vol. 861, pp. 172620, 2019.
  23. Bazzari, F. H., **D. M. Abdallah**, and H. S. El-Abhar, "[Pharmacological Interventions to Attenuate Alzheimer's Disease Progression: The Story So Far.](#)", *Curr Alzheimer Res.* , vol. 16, issue 3, pp. 261-277, 2019.
  24. Attia, R. T., Y. Abdel-Mottaleb, **D. M. Abdallah**, H. S. El-Abhar, and N. N. El-Maraghy, "[Raspberry ketone and Garcinia Cambogia rebalanced disrupted insulin resistance and leptin signaling in rats fed high fat fructose diet.](#)", *Biomed Pharmacother.* , vol. 110, pp. 500-509, 2019.
  25. Ibrahim SM, A. - S. MY, **Abdallah DM**, and E. - A. HS, "[Activation of  \$\alpha 7\$  Nicotinic Acetylcholine Receptor Ameliorates Zymosan-Induced Acute Kidney Injury in BALB/c Mice](#)", *Sci Rep.* , vol. 8, issue 1, pp. 16814, 2018.
  26. Rabie MA, Abd El Fattah MA, Nassar NN, **Abdallah DM**, El-Abhar HS. The Mas Receptor as a Future Perspective in Parkinson's Disease. *J Neurol Neuromed* (2018) 3(4):65-68.  
[www.jneurology.com](http://www.jneurology.com)
  27. Rasheed NOA, Ahmed LA, **Abdallah DM**, El-Sayeh BM. Paradoxical cardiotoxicity of intraperitoneally-injected epigallocatechin gallate preparation in diabetic mice. *Sci Rep.* 2018 May 18;8(1):7880. doi: 10.1038/s41598-018-25901-y.
  28. Rabie MA, Abd El Fattah MA, Nassar NN, El-Abhar HS, **Abdallah DM**. Angiotensin 1-7 ameliorates 6-hydroxydopamine lesions in hemiparkinsonian rats through activation of MAS receptor/PI3K/Akt/BDNF pathway and inhibition of angiotensin II type-1 receptor/NF- $\kappa$ B axis. *Biochem Pharmacol.* 2018 May;151:126-134. doi: 10.1016/j.bcp.2018.01.047. Epub 2018 Feb 8.
  29. Gad AM, El-Raouf OMA, El-Sayeh BM, Fawzy HM, **Abdallah DM**. Renoprotective effects of montelukast in an experimental model of cisplatin nephrotoxicity in rats. *J Biochem Mol Toxicol.* 2017 Dec;31(12). doi: 10.1002/jbt.21979. Epub 2017 Sep 13.

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30. Gendy AM, **Abdallah DM**, El-Abhar HS. The potential curative effect of rebamipide in hepatic ischemia/reperfusion injury. *Naunyn Schmiedeberg's Arch Pharmacol.* 2017 Jul;390(7):691-700. doi: 10.1007/s00210-017-1370-7. Epub 2017 Mar 30.
31. Soubh AA, Abdallah DM, El-Abhar HS. Geraniol ameliorates TNBS-induced colitis: Involvement of Wnt/ $\beta$ -catenin, p38MAPK, NF $\kappa$ B, and PPAR $\gamma$  signaling pathways. *Life Sci.* 2015;136:142-50. doi: 10.1016/j.lfs.2015.07.004. ISBN: 0024-3205
32. Add Publication Ibrahim SM, El-Denshary ES, **Abdallah DM**. Geraniol, alone and in combination with pioglitazone, ameliorates fructose-induced metabolic syndrome in rats via the modulation of both inflammatory and oxidative stress status. *PLoS One.* 2015;10(2):e0117516. doi: 10.1371/journal.pone.0117516. eCollection 2015. ISSN 1932-6203
33. Nassar NN, Al-Shorbagy MY, Arab HH, Abdallah DM. Saxagliptin: a novel antiparkinsonian approach. *Neuropharmacology.* 2015;89:308-17. ISBN 0028-3908
34. ElShebiney SA, El-Denshary ES, Abdel-Salam OME, Salem NA, El-Khyat ZA, ElShaffie N, **Abdallah DM**. Cannabis Resin Extract in Parkinson's Disease: Behavioral, Neurochemical, and Histological Evaluation. *Cell Biol: Res Ther* 2014; 3:1. doi:10.4172/2324-9293.1000112
35. El-Garhy AM, Abd El-Raouf OM, El-Sayeh BM, Fawzy HM, **Abdallah DM**. Ellagic acid antiinflammatory and antiapoptotic potential mediate renoprotection in cisplatin nephrotoxic rats. *J Biochem Mol Toxicol.* 2014;28(10):472-9. doi: 10.1002/jbt.21587. ISBN 1095-6670
36. Arab HH, Al-Shorbagy MY, **Abdallah DM**, Nassar NN. Telmisartan attenuates colon inflammation, oxidative perturbations and apoptosis in a rat model of experimental inflammatory bowel disease. *PLoS One.* 2014;9(5):e97193. doi: 10.1371/journal.pone.0097193. eCollection 2014. ISSN 1932-6203
37. Ragab D, **Abdallah DM**, El-Abhar HS. Cilostazol renoprotective effect: modulation of PPAR- $\gamma$ , NGAL, KIM-1 and IL-18 underlies its novel effect in a model of ischemia-reperfusion. *PLoS One.* 2014;9(5):e95313. doi: 10.1371/journal.pone.0095313. eCollection 2014. ISSN 1932-6203
38. Al-Shorbagy MY, El Sayeh BM, **Abdallah DM**. Additional antiepileptic mechanisms of levetiracetam in lithium-pilocarpine treated rats. *PLoS One.* 2013;8(10):e76735. doi: 10.1371/journal.pone.0076735. eCollection 2013. ISSN 1932-6203
39. Georgy GS, Nassar NN, Mansour HA, **Abdallah DM**. Cerebrolysin Ameliorates Cognitive Deficits in Type III Diabetic Rats. *PLoS One.* 2013;8(6):e64847. Print 2013. ISSN 1932-6203
40. Abdel-Aziz H, Wadie W, **Abdallah DM**, Lentzen G, Khayyal MT. Novel effects of ectoine, a bacteria-derived natural tetrahydropyrimidine, in experimental colitis. *Phytomedicine.* 2013;20(7):585-91. doi: 10.1016/j.phymed.2013.01.009. ISBN 0944-7113
41. Al-Shorbagy MY, El Sayeh BM, **Abdallah DM**. Diverse effects of variant doses of dexamethasone in lithium-pilocarpine induced seizures in rats. *Can J Physiol Pharmacol.* 2012;90(1):13-21. doi: 10.1139/y11-096. ISBN 0944-7113
42. Nassar NN, Abdelsalam RM, Abdel-Rahman AA, **Abdallah DM**. Possible involvement of oxidative stress and inflammatory mediators in the protective effects of the early preconditioning window against transient global ischemia in rats. *Neurochem Res.* 2012;37(3):614-21. doi: 10.1007/s11064-011-0651-7. ISBN 0364-3190
43. Malash AM, **Abdallah DM**, Agha AM, Kenawy SA. Gastroprotective Efficacy of Coenzyme Q10 in Indomethacin-Induced Gastropathy: Other Potential Mechanisms. *Ulcers* 2012, Article ID 957898, <http://dx.doi.org/10.1155/2012/957898>

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44. **Abdallah DM**, Ismael NR. Resveratrol abrogates adhesion molecules and protects against TNBS-induced ulcerative colitis in rats. *Can J Physiol Pharmacol.* 2011;89(11):811-8. doi: 10.1139/Y11-080. ISBN 0008-4212
45. Nassar NN, Schaalán MF, Zaki HF, **Abdallah DM**. Octreotide ameliorates gastric lesions in chronically mild stressed rats. *World J Gastroenterol.* 2011;17(9):1135-42. doi: 10.3748/wjg.v17.i9.1135. ISBN 1007-9327
46. **Abdallah DM**, Nassar NN, Abd-El-Salam RM. Glibenclamide ameliorates ischemia-reperfusion injury via modulating oxidative stress and inflammatory mediators in the rat hippocampus. *Brain Res.* 2011;1385:257-62. doi: 10.1016/j.brainres.2011.02.007. ISBN 0006-8993
47. **Abdallah DM**. Anticonvulsant potential of the peroxisome proliferator-activated receptor  $\gamma$  agonist pioglitazone in pentylenetetrazole-induced acute seizures and kindling in mice. *Brain Res.* 2010;1351:246-53. doi: 10.1016/j.brainres.2010.06.034. ISBN 0006-8993
48. Safar MM, **Abdallah DM**, Arafa NM, Abdel-Aziz MT. Magnesium supplementation enhances the anticonvulsant potential of valproate in pentylenetetrazol-treated rats. *Brain Res.* 2010;1334:58-64. doi: 10.1016/j.brainres.2010.03.076. ISBN 0006-8993
49. **Abdallah DM**. Nicotinamide alleviates indomethacin-induced gastric ulcers: a novel antiulcer agent. *Eur J Pharmacol.* 2010;627(1-3):276-80. doi: 10.1016/j.ejphar.2009.10.037. ISBN. 0014-2999
50. **Abdallah DM**, El-Abhar HS, Abdel-Aziz DH. TEMPOL, a membrane-permeable radical scavenger, attenuates gastric mucosal damage induced by ischemia/reperfusion: a key role for superoxide anion. *Eur J Pharmacol.* 2009;603(1-3):93-7. doi: 10.1016/j.ejphar.2008.11.057. ISBN 0014-2999
51. **Abdallah DM**, Safar MM, Arafa NMS, Abdel-Aziz MT. Long-term treatment with gabapentin or magnesium evokes hepatic and/or renal damage. *Bull. Fac. Pharm. Cairo Univ.* 2008, 46, 173-180. ISBN 1110-0931
52. Georgy GS, Elsheik AM, **Abdallah DM**, Metwally SA, Saad SF. Possible protective effect of curcumin against neurobehavioural toxic actions of aluminum in rats. *Bull. Fac. Pharm. Cairo Univ.* 2008, 46, 257-268. ISBN 1110-0931
53. **Abdallah D**, Saleh S, Al Shorbagy M. Beta-carotene protects against indomethacin-induced gastric ulceration: involvement of antioxidant mechanisms. *Az. J. Pharm. Sci.* 2007, 36: 265-275.
54. Khayyal MT, El-Ghazaly MA, **Abdallah DM**, Okpanyi SN, Kelber O, Weiser D. Mechanisms involved in the anti-inflammatory effect of a standardized willow bark extract. *Arzneimittelforschung.* 2005;55(11):677-87. ISBN 0004-4172
55. **Abdallah DM**, Eid NI. Possible neuroprotective effects of lecithin and  $\alpha$ -tocopherol alone or in combination against ischemia/ reperfusion insult in rat brain. *J Biochem Mol Toxicol.* 2004;18(5):273-8. ISBN 1095-6670
56. Abd El Gawad HM, **Abdallah DM**, El-Abhar HS. Rotenone-induced Parkinson's-like disease: modulating role of co-enzyme Q10. *J. Biol. Sci.,* 2004; 4: 568-574. ISBN **1727-3048**
57. **Abdallah DM**. Gastroprotective effect of L-arginine and quercetin in indomethacin-induced gastric lesions in rats. *Egypt. J. Biomed. Sci.* 2004, 15: 195-206. ISSN: 1110-6379
58. El-Abhar HS, **Abdallah DM**, Saleh S. Gastroprotective activity of *Nigella sativa* oil and its constituent, thymoquinone, against gastric mucosal injury induced by ischaemia/reperfusion in rats. *J Ethnopharmacol.* 2003; 84(2-3):251-8. ISBN 0378-8741





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59. Saleh S, **Abdallah DM**, Kafafy YAH, Taleb MH. Effect of  $\alpha$ -tocopherol on ethanol- and ischemia/reperfusion-induced gastric lesions in rats: a contributing role of nitric oxide. Bull. Fac. Pharm. Cairo. Univ. 2003, 41: 99-111. ISBN 1110-0931
60. **Abdallah DM**, Saleh S, Taleb MH. Effect of lansoprazole and famotidine on experimentally-induced gastric lesions in rats. Bull. Fac. Pharm. Cairo. Univ. 2003, 41: 121-130. ISBN 1110-0931
61. Khayyal MT, el-Ghazaly MA, **Abdallah DM**, Nassar NN, Okpanyi SN, Kreuter MH. Blood pressure lowering effect of an olive leaf extract (*Olea europaea*) in L-NAME induced hypertension in rats. *Arzneimittelforschung*. 2002;52(11):797-802. ISBN 0004-4172
62. Khattab MM, Gad MZ, **Abdallah D**. Protective role of nitric oxide in indomethacin-induced gastric ulceration by a mechanism independent of gastric acid secretion. *Pharmacol Res*. 2001;43(5):463-7. ISBN 1043-6618
63. Saad SF, El-Sayed ME, El-Sayeh B, **Abdallah DM**. Interaction between triamcinolone and phenothiazines on granuloma pouch in the rat. Bull. Fac. Pharm. Cairo. Univ. 1998, 36: 151-156. ISBN 1110-0931