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بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

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التوثيق الالكتروني والميكروفيلم

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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم باللّه العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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بالرسالة صفحات
لم ترد بالأصل

APPLICATION OF CHEMOMETRIC METHODS TO THE DETERMINATION OF SOME BINARY MIXTURES OF PHARMACEUTICAL COMPOUNDS

A Thesis Presented
By

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Section 2

Simultaneous spectrophotometric determination of paracetamol and chlorzoxazone using chemometric methods

Section 3

Simultaneous spectrophotometric determination of sulphamethoxazole and trimethoprim using chemometric methods

List of Abbreviations and Symbols

A	Absorbance
A (1 cm)	Absorbance of 1 cm pathlength
A (1%, 1 cm)	Absorbance of 1 cm pathlength of 1% w/v solution
A_r	Absorbance ratio
a	Intercept
b	Slope
BP	British Pharmacopoeia
C	Concentration
^1D	First derivative
^2D	Second derivative
DC	Direct current
DPP	Differential pulse polarography
E	Potential
E_m	Mean potential
GC	Gas chromatography
HPLC	High performance liquid chromatography
HPTLC	High performance thin layer chromatography
I	Current
LC	Liquid chromatography
LOD	Limit of detection
LOQ	Limit of quantitation
M	Mixture "M"
mg	Milligram
Mol. Wt.	Molecular weight
MS	Mass spectrometry

N_j	Normalising factor
nm	Nanometer = 10^{-9} meter, unit of λ
NMR	Nuclear magnetic resonance
P_j	"j^{th}" normalised orthogonal polynomial
r	Correlation coefficient
RSD%	Percentage relative standard deviation
S_a	Standard deviation about the intercept
S_b	Standard deviation about the slope
SD	Standard deviation
TLC	Thin layer chromatography
USP	United States Pharmacopeia
UV	Ultra violet
vs.	Versus
X	Compound "X"
Y	Compound "Y"
Δ	Difference
ΔA	Absorbance difference
λ	Wavelength (nm)
λ_m	Mean wavelength
μg	Microgram
Σ	Sum

List of Tables