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**THE RELATIONSHIP BETWEEN BIOCHEMICAL
CONSTITUENTS
AND
BACTERIAL COUNT IN MILK OF CATTLE**

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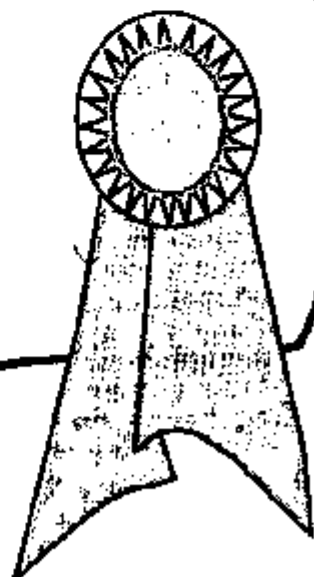
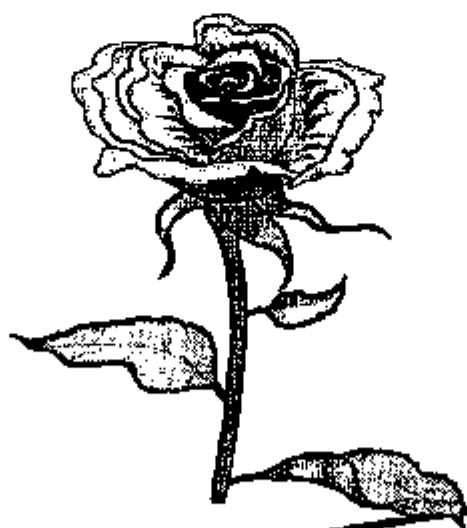
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**TO MY
PARENTS,
BROTHER,
SISTERS,
& FRIENDS**



[VITA]

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List of Abbreviations

ADP	= Adenosine Diphosphate
ANOVA	= Analysis of variance
APHA	= American Public Health Association
ATP	= Adenosine Triphosphate
ATPase	= Adenosine Triphosphate hydrolyzing enzyme
cfu	= colony forming unit
CPC	= Calcium phosphate citrate
DNPH	= Dinitrophenyl Hydrazine
Eds	= Editors
EDTA	= Ethylene Diamine Tetraacetic Acid (sodium salt)
FFA	= Free Fatty Acid(s)
fg	= femtogram
fig	= figure
FRG	= Federal Republic of Germany
GAPD	= Glyceraldehyde 3-phosphate dehydrogenase
GLDH	= Glutamate dehydrogenase enzyme
HACCP	= Hazards Analysis and Critical Control Points
IDF	= International Dairy Federation
LDH	= Lactic Dehydrogenase enzyme

NAD⁺ = Nicotinamide Adenine dinucleotide (oxidized form)

NADH = Nicotinamide Adenine dinucleotide (reduced form)

NADP⁺ = Nicotinamide Adenine dinucleotide phosphate(oxidized form)

NADPH = Nicotinamide Adenine dinucleotide phosphate(reduced form)

nm = nanometer

PCA = Perchloric acid

PGK = 3-phosphoglyceric phosphokinase enzyme

pH = {G,fr.potenz (power) + 11 (symbol for hydrogen) }

TCA = Trichloroacetic acid

TCC = Total colony count

V/V = volume in volume

W/V = weight in volume

Xg = Gravity force of centrifuge

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