

## **REPORT ON VISIT TO ANALYTICA ANACON EXPO AT HITEX, HYDERABAD**

**Date: 16<sup>th</sup> & 17<sup>th</sup> September, 2022**

**Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyd.**

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, College for Women, (Sponsored by The Exhibition Society) has organized a visit to 9<sup>th</sup> PHARMA PRO AND PACK EXPO organized by ANALYTICA ANACON INDIA and INDIA LAB EXPO at Hitex, Hyderabad. The exhibition visit is planned with a view to provide awareness and knowledge on latest instruments, pilot and large scale lab equipments, technologies used in the pharma industries on 17<sup>th</sup> September, 2022, at 10:00 am.

For this expo, on 16<sup>th</sup> a total of 10 faculty members visited and on 17<sup>th</sup> 4 staff members along with 14 students from M Pharm (Pharm. Analysis and Pharmaceutics departments) had visited the expo.

All the students along with the faculty reached there by 10.00 am. The expo is distributed in 6 large halls. The students and staff have glimpsed all the stalls of the expo.

### **THE LIST OF STALLS WE VISITED IN HALL 1 AND 2 AS FOLLOWS**

- ❖ **BIOVIS** stall, the Automated particle size analyzer was very interesting which gives all the data of the particles when observed under microscope.
- ❖ **SRICO** Innovative laboratory technology has shown various lab equipments like viscometers, Karl fisher moisture content analysis apparatus, Balances etc. The Head of the company also offered to conduct placements for the B.Pharm and Pharm D students of our college for providing jobs in their company.
- ❖ Advanced Chromatography Technologies Pvt Ltd has shown HPLC analysis systems with UV and PDA detectors. The managing director of the company, D. Radha Krishna, has offered HPLC column for free for the students of our college and asked to send a mail from the Principal, SNVPMV, Tarnaka.
- ❖ **MICROLIT** stall they have shown many electronic pipettes, of various capacities, HPLC bottle dispensers etc. Tempo instruments have shown various equipment like Stability chambers, Bacteriological incubators, hot air ovens, Tray driers, lab refrigerators etc. Maharshi group has shown the filling, sealing, labelling and packing materials. Other stalls visited were Bio News - Eppendorf, Sri Srinidhi instruments, saffron equipments, SpacePlus design labs, Brook field Ametek, Helios concrew pvt ltd (shown Blister packing) etc
- ❖ **PHARMA TEST:** In pharma test stall we came to know about the PT-DR dispersion releaser Which is a dialysis-based apparatus for the testing of Nanomedicine micro formulations and semi solid dosage forms with in a standard dissolution tester.

- ❖ **THERMO LAB SCIENTIFIC EQUIPMENTS:** In this stall we came across Stability chamber, walk-in stability chambers which consist of standard features, Environment safety, Hydronic cooling systems, control unit, air processing unit etc.,  
Standalone stability chambers: capacity of 90L to 3000L.  
Walk-in stability chambers: capacity of 4000L to 700,000L
- ❖ **OAKTON pH buffer solutions**  
Company name: ANALYTICA SCIENTIFIC  
Buffer solutions are packed in a in the quantity of 20 pouches  
Standardized against MST - traceable P<sup>H</sup> references for meters with 0.01 resolution.  
Standardized against NIST- - traceable P<sup>H</sup> references for superior accuracy.
- ❖ **KESAR CONTROL SYSTEMS :** In this stall we came across Eco smart walk in stability chamber
  - a) Walk In Stability Chamber: capacity-150,200,250 L
  - b) B.O.D Incubator
  - c) cooling cabinet
  - d) Hot air oven
- ❖ **LAB INDIA ANALYTICAL:** In this stall there are many sieving & milling equipment such as Ball mill 1100 (micro), planetary ball mill (BM 1100+(1 Grinding station), Cutting mill C90, vibratory Disc Mill VDM 1100, Knife Grinder Mill KM 110 &KM 1300 etc.
- ❖ **VOXTUR BIO LTD:** In this lab we came across various  
RAPID KID TEST KITS LIKE (Syphilis antibody test card, S.typhi IgG/IgM test card, HBsAg Rapid test card)  
BLOOD GROUPING KITS like (Anti-A, Anti-B, Anti-D (IgG+IgM), Anti-Human Coombs sera)  
LATEX AGGUTINATION (widal, RPR, RA, CRP, ASO)  
ELISA TEST KITS (HIV, HCV ELISA, Covid-19 IgG ELISA)
- ❖ **SOTAX (SDT OFFLINE DISSOLUTION SYSTEM) :** In this the dissolution apparatus made by SOTAX.  
Type: USP type 1,2,5,6 with round bath design for excellent visibility with swiss precision technology
- ❖ **AGARAM:** In this stall we came across
  - Surface tensiometers
  - Automatic tensile tester
  - Hand held colour spectrophotometers
  - Hand held Densitometers
  - Hand held Refractometers
  - Benchtop colour spectrophotometers

- Bottle cap torque testers
- Handheld contact angle meter
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- ❖ **LATA ENTERPRISES:** In this Lata enterprises we came across
  - I-pette digital variable volume micro pipette (Micro-pipette: volume capacity from 1µl to 1000µl)
  - I-pette pro Digital Variable Volume Micro Pipette (volume capacity: 1.0µl-5000µl)
  - Precise XX Pippette: it is the other most advanced pipette with excellent features (volume rang: 0.1µl-100µl)
  - Precise XX Fixed Volume Pipette (volume capacity: 1µl-10000µl)
- ❖ **SMART LABTECH Pvt.Ltd:** This lab consists of
  - a) viscometers b) Rheometers c) Texture analyzers d) powder flow testers e) Temperature control systems
- ❖ **ANTYLIA SCIENTIFIC:** This antylia scientific consist of various homogenizers
  - Cole farmer: Handheld Homogenizer 40-200 with variable motor speed 5000 to 35, 000 rpm. Processing range from 0.03ml-100ml
- ❖ **SUDHA ANALYTICALS:** In this lab we came across safe supply and disposal of hazardous fluids. S.C.A.T safety caps enables safe fluid transfer via HPLC System prevents the toxic & flammable solvent vapours
- ❖ **ELECTRO LAB:** In this lab we came across
  - Automatic tablet tester for hardness & thickness
  - Dissolution Apparatus (Bath less dissolution apparatus with 200ml basket)
  - Disintegration apparatus – bathless
  - Automatic melting point apparatus
- ❖ **SUPERTEK:** In this stall we came across wide range of products like Glass ware, Plastic ware, Equipment, Essentials.
- ❖ **SRI SIDDHI INSRETMENTS & CHEMICALS:** In this lab we came across various laboratory instruments like Hot air oven, Muffle-Furnace, Rotary Flask, Laboratory incubator, Jar test apparatus, Laminar airflow, Filtration Manifold, Solvent Filtration unit, weighing balance, thermometers & hydrometers, water testing equipments, measuring tools, NDT & welding equipment.
- ❖ **GENE LAB SERVICE:** In this Gene lab service we came across various probe sonicators and stability chambers
  - Probe sonicator – Monitorized mini with less noise & fully automated can store the data for 100 programs
  - Stability chamber can provide according to our requirements and budget upto 1.5 lakhs

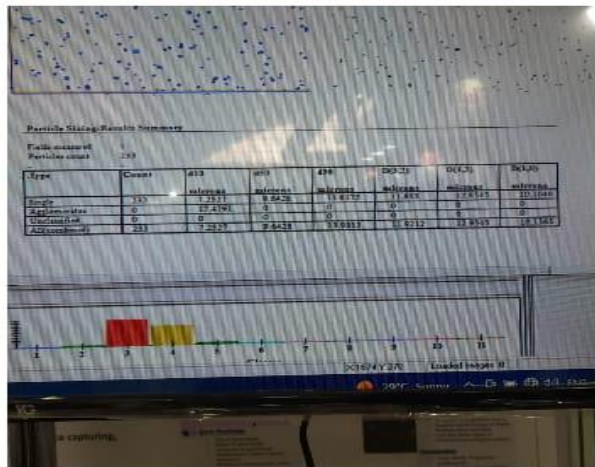
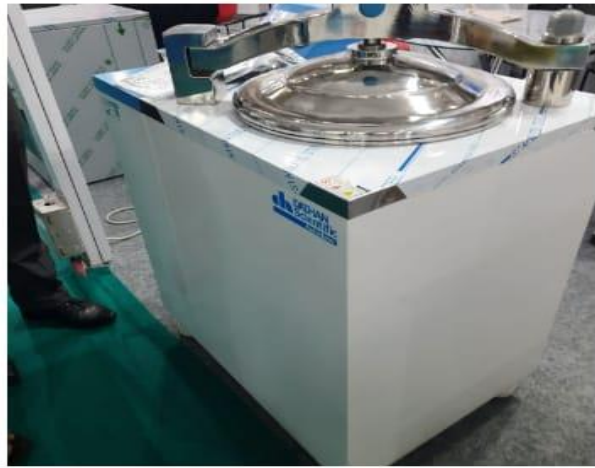
- ❖ **OSTAWALD:** This stall consist of
  - Stability chambers – photo stability chambers
  - B.O.D Incubator
  - Tray dryer
  - Autoclave steam sterilizer
  
- ❖ **DELTA ANALYTICAL:** In this stall demo of various spectrophotometers was shown few of them were Analytical instruments of (AGILENT 1100 DAD), Shimadzu (SHIMADZU LC 2010 AHT/CHT), Waters (WATERS ALLIANCE WITH UV 2487). This stall also consist of various types of syringes, vials, caps, septa, plungers, piston, piston seals, lambs, seals, cv cartridge, check valve housing for HPLC pump.
  
- ❖ **KOMAL SCIENTIFIC INTERNATIONAL Pvt. Ltd:** They are leading importers & exporters of a comprehensive range of specialized instruments such as dail reading viscometers, PFT Powder flow tester, PVS Rheometer, cone& plate viscometers, RSX Rheometer, Automatic cupping tester, Pneumatic panel sprayer, Humidity cabinet, Pendulum hardness tester, Compact friction tester, Abrasion tester, Benchtop grating spectrophotometer, Flim shinker testere etc.
  
- ❖ **CINTEX:** In this stall we have seen few equipments such as vaccum oven, furnance (APM series), Muffle Furnance, BOD Incubator, Cod Digester, Antibiotic zone reader, viscosity bath etc..,
  
- ❖ **Cole-Parmer:** This stall mainly consist of Homogenizer, (Handheld Homogenizer HO-200)  
The cole-parmer HO-200 is a powerful,variable speed, homogenizer (spins up to 35000rpm)
  
- ❖ **I-LAB :**In this we came across
  - a)Smart I stir -1P magnetic stirrer
  - b) Smart I stir – 2P magnetic stirrer
  - c) iMIX-2850 vortex mixer
  - d) iMIX-4200 Digital vortex mixer
  - e) Rotary Blood Mixer-DR 30



**BIOVIZ : Partical Size Analyzer(can give frequency size distribution )**









**THE LIST OF STALLS WE VISITED IN HALL 3 AND 4 AS FOLLOWS**



## ❖ **IMR – RIMEK COMPANY**

In this stall we have seen

- ✓ Mini 1 tablet press machine
- ✓ capsule filling machine CF25/CF40-25000 Capsules/hr, minicap-3000capsules /hr

## ❖ **CAPTECH SYSTEMS –**

- In this stall various types of capsule filling machine were exhibited
- Manual filling machine (photo applied)
- 300 capsule filling machine
- Price - 80K-1 Lakh

## ❖ **ALLEGRO –**

- Laminar air flow machine – 1.2 Lakh, 2/2 size
- Model no. – AGPL /LFHO 1, Horizontal flow
- Miniplate HEPA filterH-14, soft touch LED controller.

## ❖ **MARK SYSTEMS**

- Model – marko print x 1 Jet stitch (Bar code Printer)

## ❖ **STERILE WORLD TECHNOLOGIES**

- In this stall Sterilised paper sheets, pouches, self-seal papers, pouches, gloves were exhibited

## ❖ **ALLIED MAUFACTURERS OF PHARMACEUTICAL EQUIPMENTS**

- In this stall we have seen
- Punch and die cabinet – storage system for tablet compression tooling

## ❖ **ASPIRE INDIA – stainless punch and die cabinet, Transportation trolley, cage trolley, Drain trap, funnel etc.**

## ❖ **SINGHANIA – In this stall Tablet compressing machine was exhibited.**

## ❖ **SAWANT PROCESS SOLUTIONS**

- Product – vaccum pump – vaccum Brand
- Basic model – ME1c , 0.7mz/h
- Price – 1.2 Lakhs
- ✓ Vaccume system with solvent recovery
- ✓ Model mD4CNT + AK +EK , 3.4 mhz/hr , 1.5 megabar
- ✓ All in one Chemistry Pumping machine with speed controlled pumping machine.
- ✓ Vaccum lane – 3 vacumm pumps work at a time (filtering, rotary evaporation, drying).

## ❖ **BRIGHT PHARMA:**

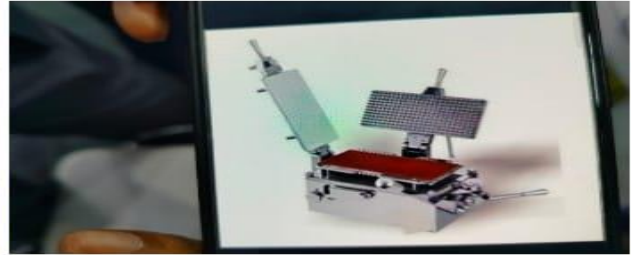
- Sterile manufacturing vessels for



- Sugar Melting, syrup manufacturing, online homogenizer, colloidal mill.

❖ **AMIBICA PHARMA MACHINES PVT.LTD**

- Saibalaji ionic concepts provides all equipments for pharmacy college and provide all services [refer visitng]
- We enquired for mechanical stirrer for chemistry lab . provide videos related to QA/QC and ceutics instruments





### THE LIST OF STALLS WE VISITED IN HALL 5 AND 6 AS FOLLOWS

- ❖ **WATERS** provides analytical equipments such as HPLC, Modern pipettes with single press operated by inbuilt software, also can be used multiple samples minizing pipetting errors.
- ❖ **ERWEKA** company stall includes latest updated equipments such as Disintegration Tester ,Dissolution Tester, Online Dissolution Tester at HPLC, Parallel –working Fully Automated Dissolution Tester .They have offered that they will donate the equipments to colleges returned from industries in exchange of new updated versions.
- ❖ **ALOVIE** Technologies stall includes HPLC,GC and also Sales manager Ashok Kumar P has offered thier servicing for HPLC and provided their contact details.
- ❖ In **CHROMACHEMIE** stall, As it is a Contract Research Organization with a proven track record of delivering various complex projects for the pharmaceutical industries. Its services includes Synthesis of Impurity Standards and reference standards, Synthesis of metabolites, Degradation impurities, Genotoxic impurities.
- ❖ **SCION** Instuments stall includes Gas Chromatograph and GC Detector, Automated Headspace Vial Sampler, HPLC WITH LC 6000 etc. The company also offered the contact details.
- ❖ **WAKO ANALYTICAL** stall consists of Solvents for QT of MS, Solvents for LC/MS, Solvennts for HPLC, Solvents for GPC.

- ❖ In **INTERCHIN** stall they have the Essentials systems and consumables for HPLC & Mass Spectrometry, they have offered their details for future contact.
- ❖ In stall **VICI CHEMINERT** they supply products like injectors, valves fittings, tubing, syringes, detectors, permeation devices, calibration gas generators, decoding valve product numbers.
- ❖ **TEMP STAR** stall includes Laboratory Instruments includes Rectangular high pressure Auto clave ,Water still Ultra sonic bath , Fume Hood Drying Pack.
- ❖ **AARSON SCIENTIFIC WORKS** stall includes Biological Research Microscopes, Phase Contrast Microscopes, Microtomes, Tissue Processor, Tissue Flotation Bath and other Analytical Instruments ,Clean Air Instruments, Medical & Pharmacy Colleges Lab Instruments .
- ❖ **TD Model Scientific CO.** provides Educational Teaching Aids for Anatomy, Physiology, Pathology, Forensic, Nursing .
- ❖ **GD.** Biological Model works is also manufacturer for and exporter of Biological Models.
- ❖ **AMBALA Scientific Instruments Manufacturers** includes Biological microscopes such as Students Microscopes, Pathological, Monocular, Binocular, Trinocular, Digital and Stereoscopic microscope.
- ❖ **HITEN TECHNO PRODUCTS CORPORATION PROVIDES IWITH** Cuvettes for using Spectrophotometer.
- ❖ **GENEI LABORATORIES PVT.LTD.** –Tools for Genomic Research, Products for PCR, DNA Diagnosis & Reagents, Amplification Reagents etc,
- ❖ **GLR INNOVATIONS** – Suppliers of speciality and research based chemicals, organics and building blocks such as modern TLC plates catalysts, impurities, inorganics, heterocyclic building blocks, biological buffers etc.
- ❖ Biomall.in is an online portal for laboratory ,life science and chemical products. We can purchase products by website: [www.biomall.in](http://www.biomall.in)
- ❖ **AMAR ENTERPRISES** provides Laboratory Glassware, Medical Labware, Pharma lab ware, Model charts, Microscopes & Projectors.
- ❖ **MEDISCPEC** includes laboratory products like Automated Electrophoresis, Fragment Analyzer systems, Real TIME PCR ,Gel documentation systems, CHEMI-Luminescence systems, -86 degree centigrade freezer ULT C75
- ❖ **INDOSATI SCIENTIFIC LAB EQUIPMENTS** –Lab furnishes for Pharmacy ,Dental ,Medical Colleges which includes- Digital Melting point apparatus, Friability Double, Rotary evaporator.
- ❖ **EDISON**-it provides Scientific Instruments including Travelling microscope ,Spectrometer, Micrometer ,Vernier Calliper, Digital Photo calorimeter and Hardness Tester etc.,
- ❖ **SHAN THERMOMETERS AND GLASS WORKS** provides scientific glass apparatus.

- ❖ **ASWINI BROTHERS** provides equipments such as Newton's cradle, Various types of Pendulums, Spectrometer, Hydraulic press etc.,
- ❖ **NURSING AND MEDICAL** provides charts on Human Physiology, system models, Medical charts ,Skeleton Bone models.
- ❖ **OM LABS** provides laboratory equipment for chemistry lab and specimens and permanent slides for Anatomy lab.
- ❖ **PCI ANALYTICS** provides Analytical equipments such as Gas generator, Nitrogen generator, Chromatography consumables .
- ❖ **SHIMADZU** provides HPLC, LC columns.
- ❖ **HITEN TECHNO** Products corporation provides Chromatography and Spectroscopy Consumables.







On the whole the visit was very informative, and useful to all the students and staff. In this regard, students have thanked Dr. N. Srinivas, Director, Dr. T. Saritha Jyostna, Principal and Dr. T. Mamatha, Vice Principal and especially, Dr. B. Prabha Shankar, Chairman, SNVPMV and, Sri. P. Sainath Dayakar Shastri, Hon. Secretary, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, College for Women, (Sponsored by The Exhibition Society), for planning, arranging such informative event.

